

# ENGINEERING INVESTIGATIONS AT INACTIVE HAZARDOUS WASTE SITES

## PRELIMINARY SITE ASSESSMENT

MAJESTIC WEAVING  
CORNWALL (T)

RCVD  
5/22/92  
SITE NO. 336028  
ORANGE (C)

NEW SITE reviewed:  
PLEASE 6/1/92  
GTCN Recommend:  
H  
by G. Ferreira



Prepared for:

NEW YORK STATE  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
50 Wolf Road, Albany, New York

Thomas C. Jorling, Commissioner

DIVISION OF HAZARDOUS WASTE REMEDIATION

Michael J. O'Toole, Jr., P.E. - Director

**URS Consultants, Inc.**

282 Delaware Avenue  
Buffalo, New York 14202

**MAY 1992**



**PRELIMINARY SITE ASSESSMENT**  
**TASK 1: DATA RECORDS SEARCH AND ASSESSMENT**

**MAJESTIC WEAVING**

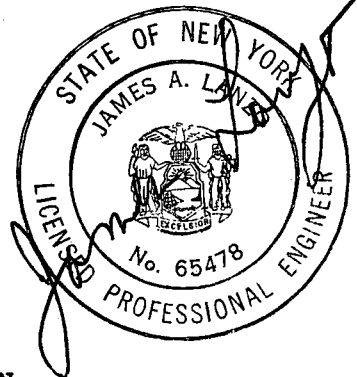
**SITE NO. 336028**  
**CORNWALL (T)/ORANGE (C)**

**MAY 1992**

**Performed Under**  
**NYSDEC CONTRACT NO. D002340**  
**NYSDEC WORK ASSIGNMENT NO. D002340-3**

**By**  
**URS CONSULTANTS, INC.**

**For**  
**DIVISION OF HAZARDOUS WASTE REMEDIATION**  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF HAZARDOUS WASTE REMEDIATIONOriginal—BHSC  
Copy—REGION  
Copy—DEE  
Copy—DOH  
Copy—PREPARERADDITIONS/CHANGES TO REGISTRY  
OF INACTIVE HAZARDOUS WASTE DISPOSAL SITES

1. SITE NAME <b>Majestic Weaving</b>		2. SITE NO. <b>336028</b>	3. TOWN <b>Cornwall</b>	4. COUNTY <b>Orange</b>
5. REGION <b>3</b>	6. CLASSIFICATION Current <b>2a</b> / Proposed _____	7. ACTIVITY <input type="checkbox"/> Add <input type="checkbox"/> Reclassify <input type="checkbox"/> Delist <input type="checkbox"/> Modify _____		
8a. DESCRIBE LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location). <b>Take Route 32 south from Newburg to Rte. 307 junction. Take a left on to Mill Street. Site is on the left side of the street less than 1 mile from the junction.</b>				
b. Quadrangle <b>Cornwall</b>		c. Site Latitude <b>41° 28' 20"</b>	Longitude <b>70° 02' 52"</b>	
d. Tax Map Number <b>43-1-1.1</b>				
9a. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations) <b>The site consists of a former textile manufacturing plant and two lagoons which contained plant sewage and industrial washdown. The site was active as a textile manufacturer from 1820 to the early 1980's. The lagoons were constructed in the 1970's. The site is currently vacant and sludge remains in the 2 lagoons. Monitoring wells constructed to monitor the lagoons indicate that there is a contamination of the groundwater downgradient from the lagoons.</b>				
b. Area <b>70</b> acres		c. EPA ID Number <b>NYD0017013823</b>	d. PA/SI <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
e. Completed: <input type="checkbox"/> Phase I <input type="checkbox"/> Phase II <input checked="" type="checkbox"/> PSA <input checked="" type="checkbox"/> Sampling				
10. BRIEFLY LIST THE TYPE AND QUANTITY OF THE HAZARDOUS WASTE AND THE DATES THAT IT WAS DISPOSED OF AT THIS SITE <b>An unknown quantity of wastes from the printing and dying of fabric between 1963 and 1981. Many of the chemicals used at the site have hazardous waste codes which include spent non-halogenated solvents (F003), spent halogenated solvents (F002), soluble cyanide salt (P030), 2-propanone (U002), formaldehyde (U122), methanol (U154), toluene (U220), and thiourea (U219). The amount of each released to the lagoons is unknown.</b>				
11a. SUMMARIZED SAMPLING DATA ATTACHED <input type="checkbox"/> Air <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water <input type="checkbox"/> Soil <input checked="" type="checkbox"/> Sludge/Waste <input type="checkbox"/> EP Tox <input type="checkbox"/> TCLP.				
b. List contravened parameters and values <b>Groundwater: Arsenic 0.084 ppm, Chromium (Total) 0.095 ppm, Manganese 5.09 ppm, Mercury 0.008 ppm, Selenium 0.015 ppm, Sodium 5064 ppm, Zinc 0.69 ppm, Iron 149.8 ppm, Phenols 0.008 ppm.</b>				
12. SITE IMPACT DATA				
a. Nearest surface water: Distance <b>50</b> ft.		Direction <b>West</b>		Classification <b>"C"</b>
b. Nearest groundwater: Depth <b>11</b> ft.		Flow Direction <b>West</b>		<input type="checkbox"/> Sole Source <input type="checkbox"/> Primary <input type="checkbox"/> Principal
c. Nearest water supply: Distance <b>unknown</b> ft.		Direction _____		Active <input type="checkbox"/> Yes <input type="checkbox"/> No
d. Nearest building: Distance <b>onsite</b> ft.		Direction _____		Use <b>former factory</b>
e. Crops or livestock on site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		j. Within a State Economic Development Zone? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
f. Exposed hazardous waste? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		k. For Class 2a: Code _____ Health Model Score _____		
g. Controlled site access? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		l. For Class 2: Priority Category _____		
h. Documented fish or wildlife mortality? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		m. HRS Score <b>Sm = 22.17, Sfe = 0.00, Sdc = 37.50</b>		
i. Impact on special status fish or wildlife resource? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		n. Significant Threat <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown		
13. SITE OWNER'S NAME <b>Moodna Creek Development</b>		14. ADDRESS <b>158 Orange Avenue Walden, New York</b>		15. TELEPHONE NUMBER <b>914, 778-2121</b>
16. PREPARER <b>Phyllis Pettke/Geologist/UPS Consultants, Inc.</b> <div style="display: flex; justify-content: space-between;"> <div> <b>4/4/91</b> Date         </div> <div> <b>Phyllis Pettke</b> Name, Title and Organization Signature         </div> </div>				
17. APPROVED <div style="display: flex; justify-content: space-between;"> <div>           _____ Name, Title and Organization Date         </div> <div>           _____ Signature         </div> </div>				



1. EXECUTIVE SUMMARY

The Majestic Weaving site (Site # 336028) is a former textile mill located along Moodna Creek in the Town of Cornwall, Orange County, New York (Figure 1). The 70-acre site is currently classified as a Class 2a site by the NYSDEC. The site was listed in the Registry of Inactive Hazardous Waste Sites in December 1985.

The site was initially operated as a cotton mill in the 1820's. After that it was the site of a woolen carpet mill for about 80 years until 1962. In 1963 Majestic Weaving started a fabric printing and dyeing operation at this location. In 1971 two lagoons were constructed in order to assist in the pretreatment of plant wastewater before release to the Town of New Windsor sewage treatment plant. The former factory buildings and lagoons are shown on Figure 2. Photos taken during the site inspection are presented as Figure 3.

Majestic Weaving declared bankruptcy in 1981 and the site was subsequently sold to Moodna Creek Development. It is currently owned by an industrial condominium, a group which owns the land in common but the buildings individually. It is being utilized for light industry and commercial warehousing.

Soil and drum sampling was conducted in 1990 by the current site owners. Six soil samples were collected from the area west of the Oil Storage Building. Seventy-eight drums stored in the same area were divided into eleven groups, based on appearance, and a sample was collected from each group. Volatile organic compounds, including tetrachloroethene at 42.9 ppm and 1,1,1-trichloroethane at 98.7 ppm, was detected in seven of the drum samples. Two of the drum samples had flash points less than 140°F. One of the soil samples was found to contain 215 ppm of tetrachloroethene. The drums were removed on September 27, 1990. Some of the contaminated soil remains onsite.

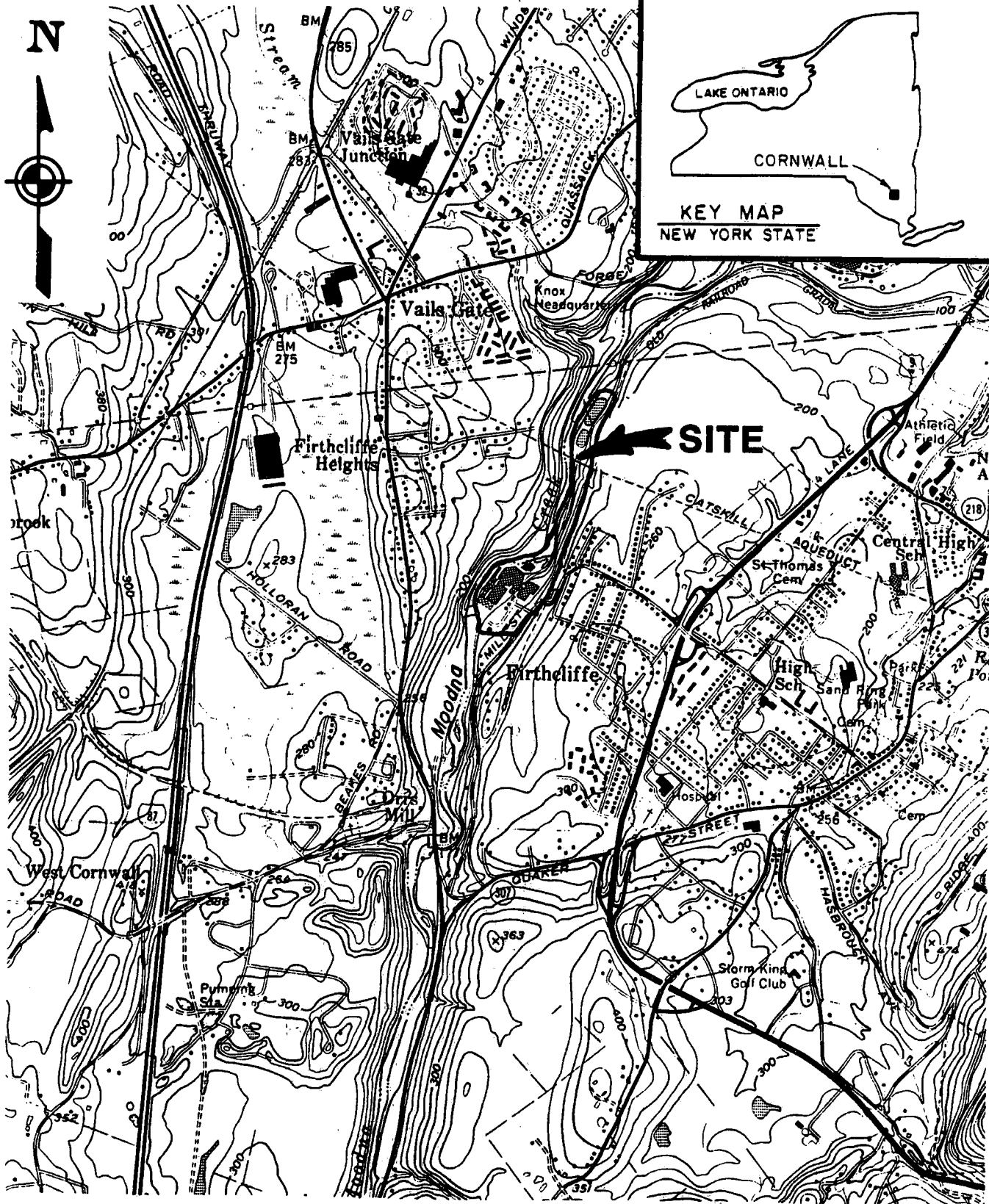
Insufficient evidence exists at this time to reclassify the Majestic Weaving site. While hazardous materials were used in the industrial processes at the Majestic Weaving facility, the ultimate fate of much of the chemical solutions is unknown. As such, no definitive statement concerning any significant threat to the environment or population in the vicinity of the site can be made. It is recommended that the NYSDEC perform additional work in order to assess the risk to the population of the Cornwall area and then reclassify the site.

Based on the information gathered for this investigation the following Hazard Ranking System scores were calculated:

$$S_M = 22.17 \text{ (} S_{GW} = 37.28, S_{SW} = 8.48, S_A = 3.08 \text{)}$$

$$S_{FE} = 0.00$$

$$S_{DC} = 37.50$$



**SOURCE**

USGS TOPO MAP  
CORNWALL, N.Y. 1957  
PHOTOREVISED 1981

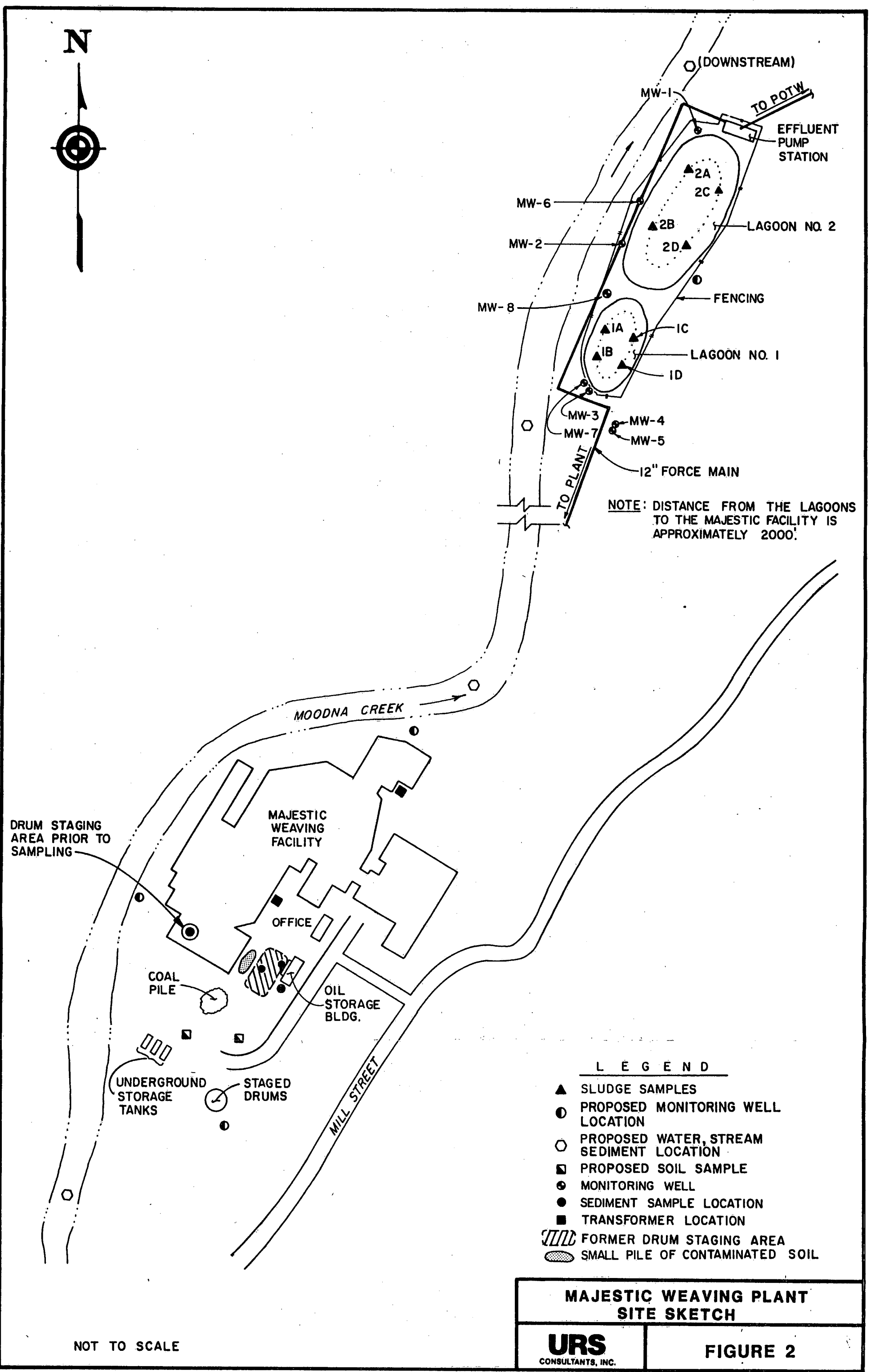
0 1000 2000 FT.  
SCALE

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**MAJESTIC WEAVING PLANT  
SITE LOCATION MAP**

**FIGURE 1**

A-3641



**NOT TO SCALE**

## MAJESTIC WEAVING PLANT SITE SKETCH

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### FIGURE 2

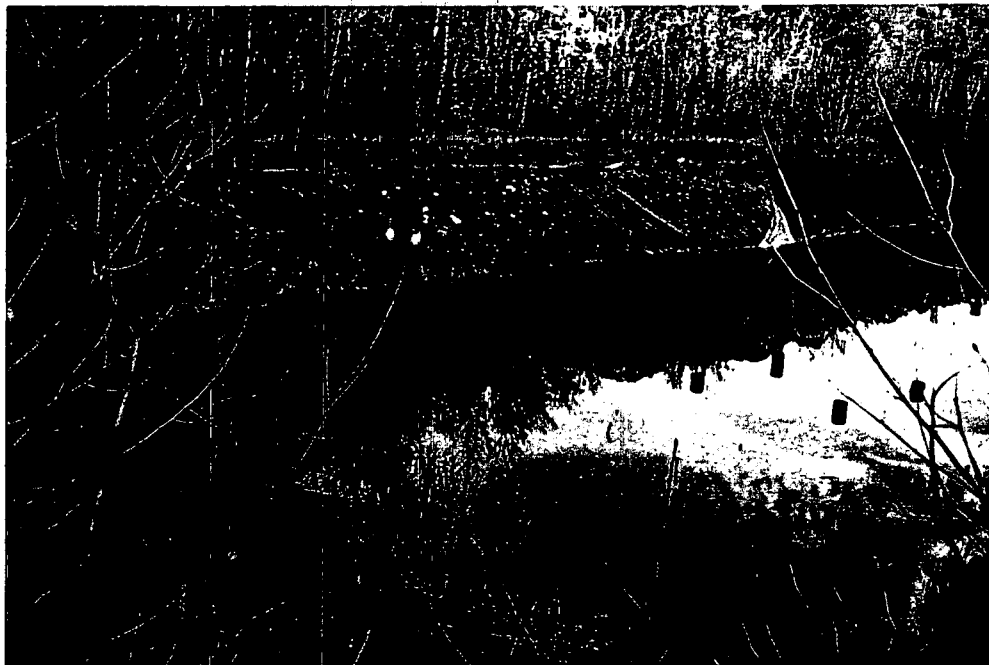


Looking northeast from the southern edge of the property. The pile of coal in the background is surrounded by miscellaneous debris.

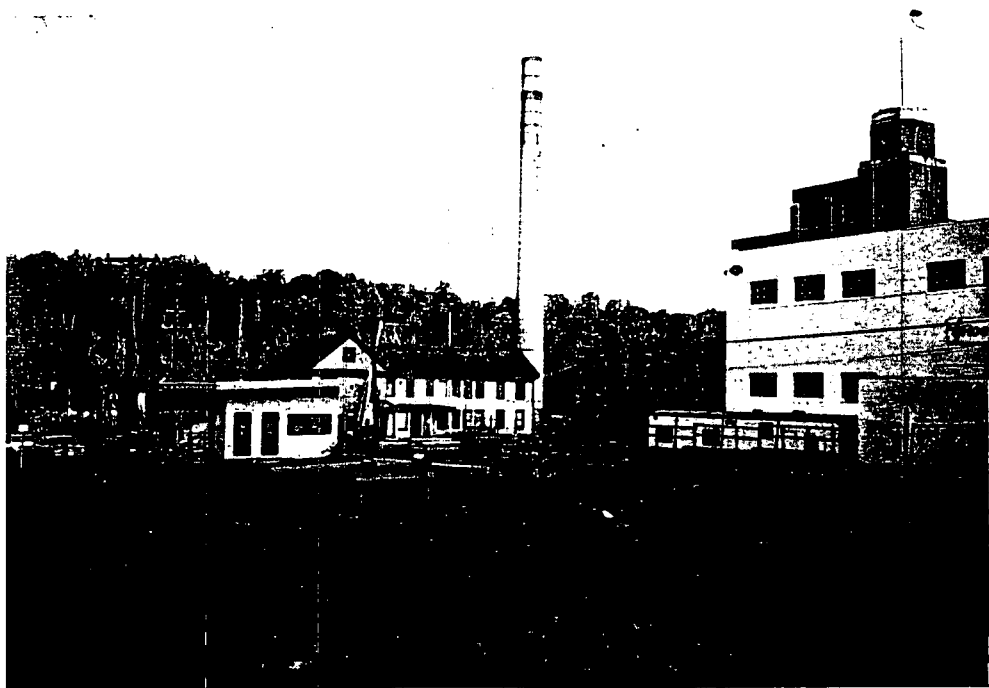


A drum staging area along the southern edge of the site. The drums, tarps and other clean-up material have since been removed.

FIGURE 3-SITE PHOTOGRAPHS  
Majestic Weaving



Looking west across lagoon 2. There is a layer of rainwater above the sludge in the lagoon. There are large tears in the lagoon's plastic liner.



Looking west from the Mill Street entrance of the site. The former Majestic Weaving buildings are shown in this photo.

## 2. PURPOSE

Task 1, Data Records Search and Assessment, of the Preliminary Site Assessment (PSA) was conducted at the Majestic Weaving site, Site No. 336028, in the Town of Cornwall, Orange County, New York by URS Consultants under contract to the New York State Department of Environmental Conservation (NYSDEC) Superfund Standby Contract (Contract No. D002340, Work Assignment No. D002340-3).

The Majestic Weaving site (Figure 1) is a suspected inactive hazardous waste site recognized by NYSDEC. This site is currently classified as Class 2a because there is insufficient information to document hazardous waste disposal and/or assess the significance of potential risks to public health or the environment. The purpose of a PSA is to provide the information for NYSDEC to reclassify the site according to the following classifications:

- o Class 2- Hazardous waste sites presenting a significant threat to the public health or the environment.
- o Class 3- Hazardous waste sites not presenting a significant threat to the public health or the environment
- o Delist-Sites where hazardous waste disposal cannot be documented.

### 3. SCOPE OF WORK

The Preliminary Site Assessment, Task I, investigation at Majestic Weaving site comprised several interrelated tasks as follows:

#### File Reviews

An extensive data search was conducted, utilizing both site-specific and regional sources. This information was compiled from existing data as well as new sources. These include:

- o Visit to the NYSDEC office in Albany to conduct a file search (6/14/90) (518)457-9534 General files
- o Visit to the NYSDEC Region 3 office to conduct a file search (11/5/90) (914) 255-5453
- o Telephone conversation with Doug Zamelis of Jacobowitz and Gubits, attorney for Moodna Creek Development (2/26/91) (914) 778-2121
  - Site history and current ongoing site remediation activities
- o Telephone conversation with Janet Dempsey, Historian, Town of Cornwall (2/26/91) 3/1/91) (914) 534-5285
  - Site history

#### Site Inspection

A site inspection was conducted on 11/13/90 in order to assess the surface characterization of the site and vicinity, observe evidence, if



any, of hazardous wastes present, photograph the site, conduct preliminary air monitoring using a PID (HNu) and a radiation meter, and confirm information obtained from the initial data search. A USEPA Site Inspection Report (EPA Form 2070-13) and the NYSDEC "Additions/Changes to the Registry of Inactive Hazardous Waste Disposal Sites" were completed following the site inspection.

The site inspection was conducted with the following personnel:

<u>NAME</u>	<u>TITLE</u>	<u>AFFILIATION</u>
Robert Kreuzer	Geologist	URS Consultants, Inc.
Keith Browne	Jr. Engineer	NYSDEC Region 3

During the site inspection, an area used to stage drums was observed near the former factory buildings. These drums have since been removed and disposed of under the supervision of the NYSDEC.

The plastic liner of the lagoons was noted to be torn and sludge covered by supernatant was observed in the lagoons. The supernatant is reportedly rainwater (Ref. 10).

The three onsite areas of stained contaminated soil were located in an area reportedly used as a drum storage area. An HNu reading of 4 ppm was recorded in one area. HNu readings of 2 ppm were recorded in the two other areas. Additionally, an area of mounded soil, which contains the approximately 1 foot thick layer of soil removed from the three areas is onsite. During the one hour site inspection no readings above background level were noted on the radiation meter.

Several transformers were observed on site. The location of these is noted on Figure 2.

#### 4. SITE ASSESSMENT

##### 4.1 Site History

The Majestic Weaving site has been the location of various textile producing operations since the 1820's. Originally, it was the Townsend Cotton Mill which operated during the 1820's and 1830's but in the mid 19th century became the Broadhead Woolen Mill. In the 1880's the site became home of the Firth Carpet Mills, owned by Sir Algernon Firth and produced carpet until 1962. Workers were originally imported from England. The firm changed its name to Mohasko and moved south prior to the plant's closing. In 1963, Majestic Weaving took over the property and began dyeing and printing fabric which was woven elsewhere. As many as 700 people were employed here during periods of peak operation (Ref. 1, 2).

Installation of a 5,200 gallon septic tank and treatment system was completed in May 1969. This system was designed to handle sanitary wastes generated at the Majestic Weaving plant by chlorination and discharge to Moodna Creek (Ref. 27).

Two lagoons were constructed in 1971-72. They were used until 1981 to contain sanitary waste and industrial washdown prior to disposal through the Town of New Windsor's sewage treatment plant, under a SPDES permit from 1970 until the plant's closure (Ref. 1).

A RCRA Part A form was submitted in 1981 and lists the nature of the Majestic Weaving business as "application of color to textiles via printing and dyeing techniques". In addition "washing and finishing of fabric after coloration" is reported to be part of the process (Ref. 3).

Originally, the RCRA Part A was filled out incorrectly and included all raw materials onsite as being stored in the lagoons (Ref. 1, 3). Mr.

Zamelis, attorney for Moodna Creek Development, indicated that the error in the 1981 RCRA Part A form has been corrected (Ref. 1). A 1977 NYSDEC Industrial Chemical Survey lists raw materials reportedly used onsite (Ref. 15).

Dames and Moore prepared a Groundwater Monitoring Report in 1984. The results of that report are presented in Section 4.3 of this report.

A site analysis was conducted by the Bionetics Corporation in 1987 for the USEPA based upon aerial photographs (Ref. 4). Aerial photos from 1943, 1951, 1963, 1971 and 1983 were used to complete the USEPA report. Features observed in various aerial photos included pits, lagoons, debris, pipelines, tanks, staining, containers, exposed storage areas, and mounds of material. One feature mentioned in the portion of the report based on the 1943 photo, and not referred to elsewhere in the EPA report, is a drainage ditch which drained the site and entered Moodna Creek north of the factory buildings. This ditch has apparently been filled in since it was not observed during the site walkover.

Pits were reported onsite as early as 1963. EPA designated pits P1 and P2 were reported to be dry in 1963, but in 1971, only pit P2 contained standing liquid and P1 had been filled. By 1983, P3 and P4 had been dug and P2 remained unchanged (Ref. 4).

Lagoons were visible near the factory complex area in the 1971 aerial photo (Ref. 4). These may have been part of the wastewater treatment installed in 1969 (Ref. 25, 27). In 1971, Majestic Weaving was reportedly hooked up to a municipal wastewater system. In 1983, two large lagoons were onsite north of the factory complex while lagoons L1 and L2 had been filled (Ref. 4).

Mounded dark material was visible from 1951 to 1971. The size of the mounds was reduced considerably by 1983 (Ref. 4). A mound of coal was

observed onsite during the site inspection which may be the mounded material.

The site owners initiated a sampling program which included testing of lagoon sludge and supernatant 1988 and 1989. Details are presented in Section 4.4.

In April 1990, six soil samples were collected from three areas of the site (Figure 3-1). They were analyzed by EnviroTest Laboratories, Inc., of Newburgh, NY, for Jacobowitz and Gubits, Attorneys for Moodna Creek Development, Inc. These were analyzed for volatiles and TPH. Based on the results of these analyses, one of three areas of soil was classified as hazardous waste as it was believed to be a result of a spill in former drum storage area (some of the drums contained classified hazardous waste). The remaining two areas were classified as industrial waste. The basis for classification is unknown and could not be determined from available records. The soil from one of the areas has been excavated to a depth of 6-8 feet and moved elsewhere on the site. While a soil pile is shown on Figure 2, the exact location of all the contaminated soil is unknown (Ref. 10, 12, 30).

The site currently has four owners. They are as follows:

1. Mr. S. Landau of Cornwall Warehousing, Inc. owns one building.
2. Mill Town Park owns another building.
3. Moodna Creek Development owns lagoons and surrounding land.
4. Mill Park Condos owns the land the buildings are on.

These new owners took possession in late 1985.

On October 8, 1991 a RCRA inspection of the Majestic Weaving site was conducted by the NYSDEC Division of Hazardous Substances Regulation

Compliance Inspection Section (Ref. 31). The NYSDEC inspector commented in his conclusions (Part III of the inspection form) that the only RCRA issue remaining at the Majestic Weaving site is the closure of the lagoons.

The site is currently being used as an industrial park with light industry and commercial warehousing onsite (Ref. 31).

#### 4.2 Site Topography

The Majestic Weaving site is located in the northeast-southwest trending Wallkill Valley, of the Hudson Mohawk Lowland. The Wallkill Valley is bordered on the north by the Shawanagunk Mountain cuesta and on the south by the Hudson Highlands which are composed of Precambrian metamorphic rocks of the Manhattan group (Ref. 5).

The bedrock found in the Wallkill Valley is the Ordovician Martinsburg Formation which is covered by an almost continuous blanket of glacial till (Ref. 5).

The Catskill Aqueduct, one of the three major aqueducts which supply water to the City of New York crosses the site below grade (Ref. 11, 19). The site is outside of the 100 year floodplain as shown on the flood insurance map of Orange County (Ref. 26) (Figure 1).

The site is located on a terrace parallel to Moodna Creek. The relatively level site is long and narrow and located approximately 20 feet above the level of the creek.

#### 4.3 Site Hydrology

##### Groundwater hydrology

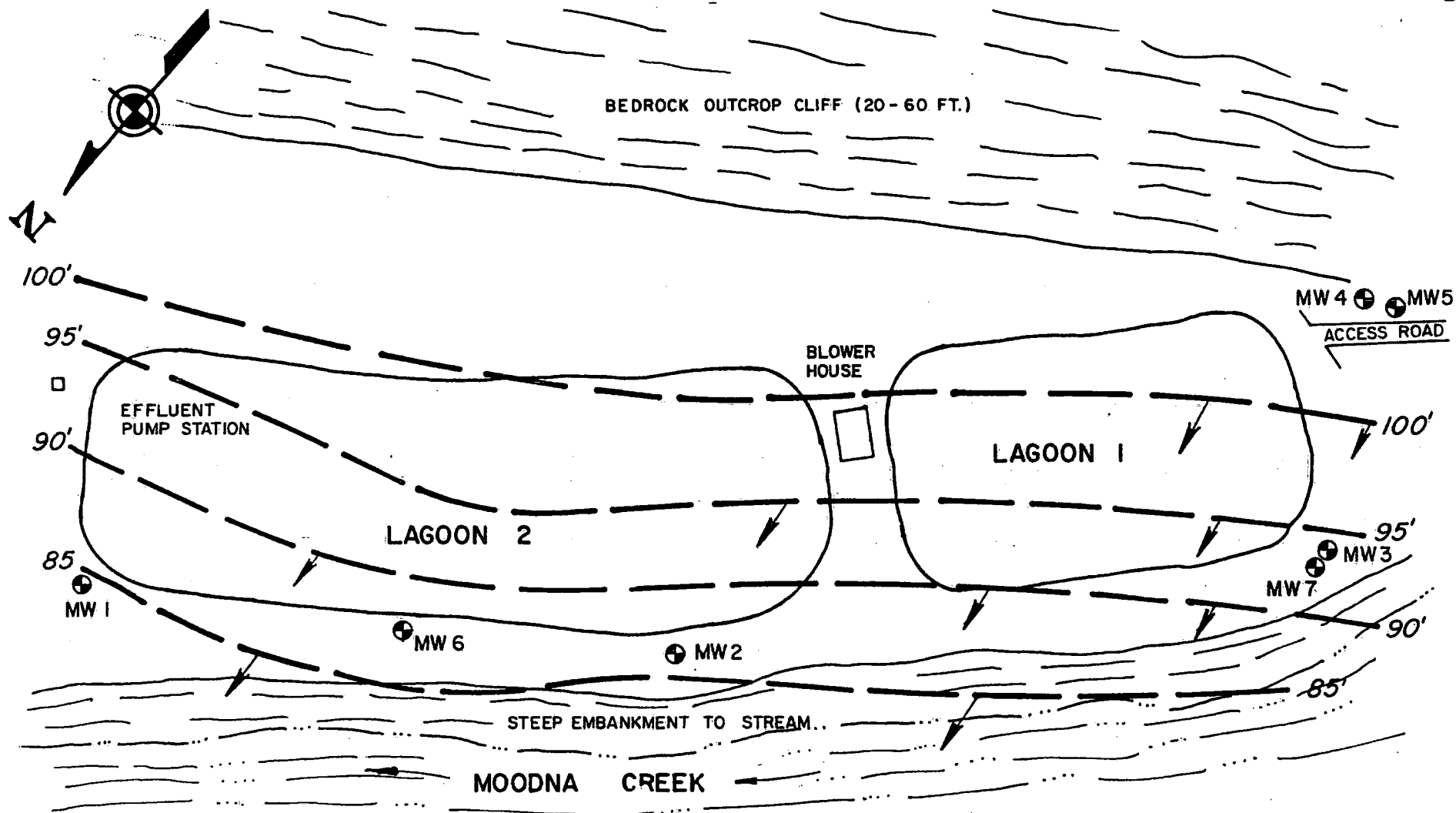
Dames and Moore conducted a groundwater monitoring program at the Majestic Weaving site in 1984. This investigation was conducted to fulfill the requirements of 40 CFR 265.90 to 265.94 RCRA Interim Status Standards for Owners and Operators of Hazardous Waste TSD Facilities, Subpart F - Groundwater Monitoring (Ref. 8). As part of the groundwater monitoring program eight monitoring wells were installed in the vicinity of the two onsite lagoons. Groundwater flow was determined to be to the west into Moodna Creek (Figure 4).

Shale bedrock outcrops within 20 feet of the southeast edge of lagoon 2. Dames and Moore reports that there is no continuous unconsolidated water bearing zone southeast of the lagoons since overburden is limited in areal extent and depth. Bedrock water levels are close to those of the unconsolidated water bearing zone. This indicates that the two water bearing zones are hydraulically interconnected prior to their discharge west of the lagoons at Moodna Creek (Ref. 8).

The 1984 groundwater investigation was limited to the lagoon area. Groundwater flow directions for the rest of the site are presumed to be to the west and northwest and are inferred from that data.

The 1980 US Census identifies approximately 3,000 people in the Town of Cornwall that use private wells for potable water. The location of these wells is not identified in the census data or in the NYSDOH Atlas of Community Water Systems (Ref. 19).

BEDROCK OUTCROP CLIFF (20 - 60 FT.)

**LEGEND**

DIRECTION OF GROUNDWATER FLOW  
 GROUNDWATER CONTOUR.

**NOTES:** 1. STREAM IS AT ELEVATION 60'

2. GROUNDWATER CONTOURS DASHED WHERE INFERRED.

0 30 60 90 120



SCALE

**GROUNDWATER CONTOUR MAP**

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**FIGURE 4**

REFERENCE; DAMES &amp; MOORE, 1984

### Surface Water Hydrology

Surface water runoff from the site enters Moodna Creek, NYSDEC class "C", adjacent to the site on the west. Moodna Creek flows to the north and then turns east and enters the Hudson River, which is a NYSDEC class "B" water body, at the Village of Cornwall approximately 2.5 stream miles from the site (Ref. 6, 24). Moodna Creek enters the Hudson approximately three miles downstream from the site. NYSDEC regulated wetland CO-10 is located at that confluence.

A drainage ditch, reported by USEPA in 1987 as being visible on the 1943 aerial photo of the site, has apparently been filled in (Ref. 4). (The exact location of the ditch could not be determined because of the poor quality of the available records).

#### 4.4 Contamination Assessment

Four monitoring wells were installed by Kartiganer Associates in 1982. An additional three wells were installed by Dames and Moore in 1984. One additional well was installed subsequent to the Dames and Moore investigation. Neither the installer nor the date of installation could be determined. Locations are shown on Figure 2.

In the 1984 Dames and Moore Groundwater Monitoring Report (Ref. 8), groundwater samples from the monitoring wells were listed as contravening NYS groundwater standards for arsenic (0.084 ppm), chromium, (0.06 ppm), mercury (0.004 ppm), and phenols (0.019 ppm). Groundwater was in exceedance of some ARARs in each of the samples analyzed. It should be noted that the highest mercury concentration was observed from the supposed upgradient well (MW-7). Results are presented on Table 1.

A sampling program which included testing of lagoon sludge and sampling of lagoon water was completed in 1988 by ERM-Northeast for Moodna



Creek Development, Ltd. A 1989 reference (Ref. 25) mentions groundwater quality and hints that groundwater analysis was done. It is unclear whether this refers to the 1984 testing or additional 1988 testing. No data was found for any 1988 groundwater sampling. Analytical results for the lagoon sampling are presented in Table 2.

Four sludge samples were collected from each lagoon and analyzed for volatile organic compounds, metals, and cyanide (Table 2). Sludge from the lagoon contained levels of methylene chloride ranging from 480 to 15,000 ppb, levels of toluene from 27 to 53,000 ppb, acetone 10,000 and 12,000 ppb in lagoon 1, 2-hexanone 550 ppb in lagoon 1, tetrachloroethane 570 ppb in lagoon 2, and m-xylene 390 ppb in lagoon 2.

IDS conducted a round of lagoon sludge sampling in 1989 for ERM-Northeast (Ref. 29). At that time, both lagoons had severe signs of vegetation overgrowth and damage to the liners (see Figure 3). In addition, at several unspecified locations in the lagoons, air pockets are present beneath the liner. One sludge sample was collected from each lagoon and analyzed for EP Toxicity metals. No EPTOX regulatory levels were exceeded by for any metal in either sample (Table 3).

In 1990, drums at the Majestic Weaving site were sampled and analyzed by Envirotech Laboratories, Inc. of Newburgh, New York. The 78 drums were grouped into 11 categories nominally based on appearance. The waste was tested for metals, PCBs, volatile organic compounds (VOCs), flash point, and percent paint. Four volatile organic compounds were detected in the waste sampled. 1,1,1-trichloroethane was detected in 4 of the eleven samples at 59 to 110 ppb, carbon tetrachloride was detected at 120 ppb in group 2 of the drums, trichloroethene at 270 ppb in group 6 of the drums, and tetrachloroethene in 5 of the 11 groups at concentrations of 19 to 42,900 ppb. Two of the 11 groups, had flash points of below 140°F (133°F for Group 6 - reddish white liquid and 76°F for Group 2 - white oily liquid). Based upon those analyses (Ref. 30), drum contents were disposed

**TABLE 1**  
**MAJESTIC WEAVING**  
**1984 ANALYTICAL RESULTS**  
**GROUNDWATER**

SAMPLE ID	ARAR *	MW-1	MW-2	MW-3	MW-5	MW-6	MW-7
PARAMETER							
ARSENIC	0.025	0.021	0.038	0.084	<0.001	0.064	0.003
BARIUM	1.00	<0.05	<0.05	0.36	<0.05	0.38	0.42
CADMIUM	0.01	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
CHROMIUM, TOTAL	0.05	0.013	0.057	0.095	<0.010	0.060	0.041
CHROMIUM, HEX	0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
LEAD	0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
MANGANESE	0.3	5.09	3.9	5.83	0.571	6.13	2.075
MERCURY	0.002	0.0016	0.004	0.0016	0.008	0.0038	0.001
SELENIUM	0.01	0.008	0.001	0.010	0.010	0.013	0.015
SILVER	0.05	<0.006	<0.006	<0.006	0.011	<0.006	<0.006
SODIUM	20	5064	75.4	6.33	4.16	4.2	4.52
ZINC	0.3	0.175	0.33	0.690	0.060	0.420	0.130
IRON	0.3	24.73	69.7	149.800	3.300	136.500	30.200
PHENOLS	0.001	0.008	<0.002	<0.002	<0.002	<0.002	0.019
SULFATE	250	15	17	19	18	17	16
CHLORIDE	250	5	21	3	2	5	3
TOC (avg)	0.1	4.8	10.5	3.8	1.5	1.3	1.5
TOX (avg)		0.14	0.124	0.073	0.129	0.100	0.378
pH (avg)		7.37	7.33	7.32	7.28	7.27	7.27
Spec. Conductance (avg)		278	614	342	297	235	286

NOTE: All units are mg/l.

\* NYS Technical Operations Guidance Series(T.O.G.S.) (1.1.1), September 25,1990.

Well #4 was dry at the time of sampling.

TABLE 2  
MAJESTIC WEAVING  
1988 ANALYTICAL RESULTS  
LAGOON SAMPLING

	SAMPLE ID		LA-1	LA-1	LA-1A	LA-1A(Dup)	LA-1B	LA-1C	LA-1D
			SUPERNATANT	SLUDGE	SLUDGE	SLUDGE	SLUDGE	SLUDGE	SLUDGE
PARAMETER	CLASS	UNITS		COMPOSITE	INDIVIDUAL	INDIVIDUAL	INDIVIDUAL	INDIVIDUAL	INDIVIDUAL
METHYLENE CHLORIDE	VOC	µg/L	ND	ND	270	2,500	480	5,500	1,500
TOLUENE	VOC	µg/L	ND	ND	ND	180	27	ND	ND
ACETONE	VOC	µg/L	ND	ND	ND	12,000	ND	10,000	ND
2-HEXANONE	VOC	µg/L	ND	ND	ND	550	ND	ND	ND
CYANIDE	INORGANIC	mg/kg	ND	1.9	12				
BARIUM	METALS	mg/kg	ND	26					
CADMIUM	METALS	mg/kg	ND	17					
CHROMIUM	METALS	mg/kg	ND	360					
LEAD	METALS	mg/kg	ND	720					
MERCURY	METALS	mg/kg	ND	0.56					
SILVER	METALS	mg/kg	ND	6.7					

	SAMPLE ID		LA-2	LA-2	LA-2A	LA-2B	LA-2C	LA-2D
			SUPERNATANT	SLUDGE	SLUDGE	SLUDGE	SLUDGE	SLUDGE
PARAMETER	CLASS	UNITS		COMPOSITE	INDIVIDUAL	INDIVIDUAL	INDIVIDUAL	INDIVIDUAL
METHYLENE CHLORIDE	VOC	µg/L	9.7	ND	8,400	7,600	15,000	2,300
TRICHLOROETHENE	VOC	µg/L	ND	ND	ND	16	ND	ND
TOLUENE	VOC	µg/L	ND	50,000	53,000	6,100	39,000	2,800
TETRACHLOROETHENE	VOC	µg/L	ND	ND	ND	ND	370	ND
M-XYLENE	VOC	µg/L	ND	ND	ND	ND	390	ND
CYANIDE	INORGANIC	mg/kg	0.015	6.7				
BARIUM	METALS	mg/kg	ND	63				
CADMIUM	METALS	mg/kg	ND	4.6				
CHROMIUM	METALS	mg/kg	ND	100				
LEAD	METALS	mg/kg	ND	46				
MERCURY	METALS	mg/kg	ND	0.71				

**TABLE 3**  
**MAJESTIC WEAVING**  
**1989 ANALYTICAL RESULTS**  
**LAGOON SLUDGE- E.P. TOX METALS**

PARAMETER	LAGOON 1	LAGOON 2	EP TOX LIMITS
ARSENIC	<1.0	<1.0	5.00
BARIUM	0.3	1.3	100.00
CADMIUM	<0.01	<0.01	1.00
CHROMIUM	<0.01	0.01	5.00
LEAD	<0.200	<0.200	5.00
MERCURY	0.0046	<0.002	0.20
SELENIUM	<0.500	<0.500	1.00
SILVER	<0.01	<0.01	5.00

NOTE: All results are in mg/L

of off site on September 27, 1990, (Ref. 10). Mr. E. Klaus, working for Mr. S. Landau of Cornwall Warehousing hired a subcontractor to bulk load liquid and grease. This work was done under USEPA hazardous waste generator number NYP000900217 (Ref 31).

Six soil samples were also collected in 1990 from three areas of stained soil in the factory building complex. At each location, a surface composite and a 12" deep hole composite were collected. These soils were tested for Volatile Organic Compounds (VOCs) and Total Petroleum Hydrocarbon (TPH) by Envirotest Laboratories, Inc. of Newburgh, New York (Ref. 30). Volatile organic compounds detected in the soil were 1,1,1-trichloroethane in 2 of 6 samples at 13 and 180 ppb, toluene at 2 of six samples at 5.7 and 120 ppb, benzene in one of six samples at 1.6 ppb, ethylbenzene in three of six samples at 9.1 to 660 ppb, tetrachloroethane in three of six samples at 11 to 215,000 ppb, and trichloroethene in one of six samples at 5,640 ppb. Based on RCRA standards, the soil in Area 1, which contained 215 ppm of tetrachloroethene, was considered to be hazardous waste (Ref. 10).

Sometime after the soil sampling in April 1990 and November of 1990, the areas of contaminated soil were disturbed. This unauthorized disturbance is believed to have been accomplished by the use of a bulldozer (Ref. 10). Consequently, the exact location of the contaminated soil is unknown and it is possible that additional soil sampling will need to be required to locate the contaminated soil.

## 5. ASSESSMENT OF DATA ADEQUACY AND RECOMMENDATIONS

### 5.1 Hazardous Waste Deposition

Waste solutions from dyeing, printing, washing and then finishing fabrics were pumped into the lagoons north of the plant buildings. The waste solutions contained an unknown concentration of chemicals listed on the Industrial Chemical Survey (Ref 15).. Supernatant was discharged to the New Windsor sewage treatment plant under a SPDES permit. Some of the chemicals were discharged with the wastewater to the New Windsor sewage treatment plant. Sludge remaining in the lagoons contains mercury at levels of 0.0046 ppm [EPTOX]. VOCs and semi-volatile compounds were detected in the lagoons. There is no documentation of hazardous waste deposition on the factory complex portion of the site. However, some areas of stained soil were classified as hazardous waste according to RCRA Standards. Since onsite drum storage is documented, it is assumed that the stained areas were previous drum storage areas. One area of stained soil, which is considered hazardous due to spillage in an area which held drums containing hazardous waste, remains onsite.

Both an Industrial Chemical Survey (1977) and an RCRA Part A form (1981) were completed by Majestic Weaving. The industrial chemical survey lists all compounds used in the fabric printing and dying process (Ref. 15). The EPA form (Ref. 3) lists chemicals, EPA hazardous waste numbers and quantity generated per year. Chemicals listed on the RCRA part A form include, F002, spent halogenated solvents, F003, spent non-halogenated solvents, P030, soluble cyanide salt, U002, 2 propanone (1), U121, methane dichloroflouro, U122, formaldehyde, U154, methanol (1), U219 throurea and U220, toluene. Among the chemicals listed on the 1977 NYSDEC industrial chemical survey are toluene, freon, mineral spirits, and numerous dyes and pigments (Ref. 15). Former Majestic employees and attorneys for Moodna Creek Development indicated that the forms may have been completed incorrectly and the data is therefore suspect (Ref. 28). No information

concerning the volume or composition of the wastewater from the industrial processes was uncovered during the file search.

Very little is known about materials used by the carpet weaving process and the possible location of any onsite storage or disposal.

## 5.2 Significant Threat Determination

Areas of stained soil with high levels of VOCs remain onsite at the factory complex which is an active workplace. In addition, hazardous waste remains onsite in the lagoon sludge. While the materials in the lagoons are somewhat inaccessible to the public, the soil at the factory complex poses a potential threat to workers through direct contact.

Groundwater tested in 1984 did not include testing for volatiles, the major contaminants detected in the sludge. The analytical results indicate metals in the groundwater. This testing may have preceded the liner damage (ripping) which would create a pathway for contaminant migration into the groundwater. Since no additional groundwater analytical data was found, we do not know the current conditions at the site. Therefore, the extent of threat posed to groundwater is unknown.

Surface water in both Moodna Creek and the Hudson River is used for recreation. There are no surface water intakes located within 3 miles downstream from the site. No sampling has been conducted of the surface water in Moodna Creek adjacent to the lagoons or factory complex. Therefore, the impact of site waste on surface water quality is unknown.

The 1980 census of population lists as many as 3,000 people in the Towns of New Windsor and Cornwall as being supplied with potable water from residential wells. The 1980 census does not identify locations of these wells and none are believed to be downgradient from the site (Ref. 14, 19, 21, and 22).

The rest of the population of the Towns of Cornwall and New Windsor within three miles of the site is supplied with municipal surface water via the Catskill Aqueduct and from other upgradient reservoirs (Ref. 13, 14, 21, and 22).

### 5.3 Recommendations

At this time there is insufficient evidence to reclassify this site. In order to accurately assess the potential significant threat from this site, it is recommended that the following additional work be performed.

Specific recommendations include:

- o A minimum of 3 monitoring well pairs should be installed near the existing plant buildings. These well pairs should monitor both the overburden and shale aquifers. Water from these wells should be analyzed for the full Target Compound List (TCL).
- o The existing wells (MW 1-7) should be sampled and analyzed for TCL parameters. An additional well should be installed in order to serve as an upgradient well for the lagoon area.
- o The condition of and construction details (i.e., thickness and extent) of the clay liners in the lagoons should be determined.
- o A minimum of 10 additional soil samples should be taken in the vicinity of any additional areas of stained soil, former drum storage areas, both inside and outside factory buildings, and transformer areas. This will help to locate the disturbed contaminated soil. Soil samples should be analyzed for TCL



parameters. Composites of the soil samples should be analyzed for the hazardous waste characteristics and EP Toxicity.

- o A minimum of 4 surface water and sediment samples should be taken in Moodna Creek. The proposed locations are indicated in Figure 2. The water and sediment should be sampled for TCL parameters.
- o A geophysical survey utilizing the EM-31 terrain conductivity technique should be conducted in order to locate and former onsite disposal pits as well as contaminant plumes from onsite disposal areas.

# APPENDIX A

## *References*

## REFERENCES

1. Zamelis, D. Esq. of Jacobowitz and Gubits, Attorneys, 1991. Personal Communication with Phyllis Rettke of URS Consultants, Inc. Re: Site History
2. Dempsey, J. Historian, Town of Cornwall, 1991. Personal communication with Phyllis Rettke of URS Consultants, RE: Site History, February 26, 1991 and March 1, 1991.
3. Schneider, A., Operator, Majestic Weaving, 1981. EPA Form 3510-1-Hazardous Waste Permit Application
4. Warner, E., Imagery Analyst, The Bionetics Corp., 1987. Site Analysis Majestic Weaving Company, Orange County, New York, for Environmental Monitoring Systems Laboratory of USEPA
5. Connally, G., Sirkin, L., and Cadwell, D., 1989. Deglacial History and Environment of the Upper Wallkill Valley, in NYS Geological Association Guidebook 61st Annual Meeting
6. USGS Topographic Map Cornwall, N.Y. 1957, photo revised 1981.
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8. Dames & Moore, 1984. Groundwater Monitoring Report prepared in response to EPA/EARTEC comments of March 1983.
9. USEPA Region 2, 1982. Consent order and final compliance order, Docket No. II RCRA-82-0208

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10. Zamelis, D., Esq. of Jacobowitz and Gubits, Attorneys, 1990. Letter from attorney for Moodna Creek Development to Rob Smith, NYSDEC Region 3, Re: Majestic Weaving Site, Remediation Report (see Ref. 8)
11. NYSDOH, 1982. Atlas of Community Water Systems
12. Smith, R., NYSDEC Region 3, 1991. Personal Communication with Phyllis Rettke of URS Consultants, Inc., Re: Site History and Background for the Majestic Weaving Site
13. Babula, J. Orange County Health Dept., 1991. Personal communication with Phyllis Rettke of URS Consultants, Inc., Re: Testing at Majestic Weaving
14. Schneer, E., Town of Cornwall Clerk, 1991. Personal communication with Phyllis Rettke of URS Consultants, Re: Water use for vicinity of the site.
15. NYSDEC, 1991 Industrial Chemical Survey (ICS) of the Majestic Weaving site, completed 3/25/77.
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19. US Dept. of Commerce, 1980 Census of Population.

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20. Beemer, J., NYSDEC Region 3 Fish and Wildlife Technician, 1991. Copies of NYSDEC Freshwater wetlands maps for a portion of Orange County.
21. Lardner, M., Assessor, Town of Cornwall, 1991. Personal Communication with Phyllis Rettke of URS Consultants, Inc., RE: Water Source for Firthcliff.
22. Didio, S., New Windsor Water Dept., 1991. Personal Communication with Phyllis Rettke of URS Consultants, Inc., RE: Water Source for Firthcliff Heights.
23. Orange County Planning Commission, 1991. Personal Communication with Phyllis Rettke of URS Consultants, Inc., RE: 1990 Census data and area of towns in Orange County.
24. Reed, D., NYSDEC Region 3, 1991. Personal Communication with Phyllis Rettke of URS Consultants, Inc., RE: Stream Classification of Moodna Creek.
25. Zamelis, D., Jacobowitz and Gubits, Attorneys, 1989. Letter to Martin Brand, NYSDEC. RE: Analytical Results of Sludge/Supernatant Analysis at Majestic Weaving.
26. FEMA, 1982. Flood insurance map of Orange County.
27. Marks, S., P.E., 1968. Plans and permits for installation of sanitary waste treatment system.
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29. Shackford, K., Operations Manager, Interim Dewatering Services, Inc., 1989. Letter to Cody, M. of ERM-Northeast RE: 1989 Lagoon Sampling.
30. Envirotest Laboratories, Inc., 1990. Analytical results of Soil and Waste Oils (Drums) analyses from the Moodna Creek Development Corp.
31. Buskey, W., NYSDEC Region 3 Solid Waste Management Specialist, October 8, 1991: RCRA Inspection Form for the Majestic Weaving Site. (Sections I and III (conclusions and recommendations only) are included in this reference).
32. Smith, R., NYSDEC Region 3, Personal communication with Phyllis Rettke of URS Consultants, Inc., RE: Drum removal at the Majestic Weaving site, April 14, 1992.



A. FIRST										B. SECOND											
7	2	2	3	1	(specify)	TEXTILE mill PRODUCTS					7					(specify)					
C. THIRD										D. FOURTH											
7					(specify)						7					(specify)					

## VIII. OPERATOR INFORMATION

A. NAME										B. Is the name listed in Item VIII-A also the owner?									
8	M	A	S	T	I	C	W	E	A	R	I	N	G	C	O	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)										D. PHONE (area code & no.)									
F = FEDERAL S = STATE P = PRIVATE										M = PUBLIC (other than federal or state) O = OTHER (specify)									
P										A 914 534 2591									
E. STREET OR P.O. BOX																			
2 MILL ST																			
F. CITY OR TOWN										G. STATE									
BROOKHURST										NY									
										H. ZIP CODE									
										12518									
										IX. INDIAN LAND									
										Is the facility located on Indian lands?									
										<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO									

## X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)										D. PSD (Air Emissions from Proposed Sources)									
9	N									9	P								
B. UIC (Underground Injection of Fluids)										E. OTHER (specify)									
9	U									9									
C. RCRA (Hazardous Wastes)										E. OTHER (specify)									
9	H									9									

## XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

F9: A/50

## XII. NATURE OF BUSINESS (provide a brief description)

1) Application of color to Textiles via PRINTING and dyeing techniques

2) Washing, ~~color~~ & finishing fabric after coloration

F9: A/51

## XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)										B. SIGNATURE										C. DATE SIGNED									
The Schneider Tech. Director										Choban Almuhy										4/8/81									

## COMMENTS FOR OFFICIAL USE ONLY

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print or type in the unshaded areas only  
if spaces are spaced for elite type, i.e., 12 c

characters/finch).

Form Approved OMB No. 15B-S80004

FORM  
3  
RCRA



U.S. ENVIRONMENTAL PROTECTION AGENCY  
**HAZARDOUS WASTE PERMIT APPLICATION**  
Consolidated Permits Program  
(This information is required under Section 3005 of RCRA.)

I. EPA I.D. NUMBER

FNYD001701382

FOR OFFICIAL USE ONLY

APPLICATION APPROVED DATE RECEIVED (yr., mo., & day)

COMMENTS

3

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate data)

☒ 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)

☐ 2. NEW FACILITY (Complete item below.)

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)

FOR NEW FACILITY PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEG

B. REVISED APPLICATION (place an "X" below and complete item I above)

☒ 1. FACILITY HAS INTERIM STATUS

☐ 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES - CODES AND DESIGN CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PRO- CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO- CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
<b>Storage:</b>			<b>Treatment:</b>		
CONTAINER (barrel, drum, etc.)	501	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	502	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	503	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR
SURFACE IMPOUNDMENT	504	GALLONS OR LITERS			
<b>Disposal:</b>					
INJECTION WELL	D79	GALLONS OR LITERS			
LANDFILL	D80	ACRE-FEET (the volume would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D81	ACRES OR HECTARES			
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS			
<b>UNIT OF MEASURE</b>	<b>UNIT OF MEASURE CODE</b>	<b>UNIT OF MEASURE</b>	<b>UNIT OF MEASURE</b>	<b>UNIT OF MEASURE CODE</b>	<b>UNIT OF MEASURE</b>
GALLONS	G	LITERS PER DAY	ACRE-FEET	A	
LITERS	L	TONS PER HOUR	HECTARE-METER	F	
CUBIC YARDS	Y	METRIC TONS PER HOUR	ACRES	B	
CUBIC METERS	C	GALLONS PER HOUR	HECTARES	G	
GALLONS PER DAY	U	LITERS PER HOUR			

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PRO- CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO- CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT	2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
X-1	S02	600	G		5				
X-2	T03	20	E		6				
	504	9,880 TAG	G		7				
2	T02	2,000 TAG	U		8				
3					9				
4					10				

**III. PROCESSES (continued)**

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "100"). FOR EACH PROCESS ENTER INCLUDE DESIGN CAPACITY.

3

**IV. DESCRIPTION OF HAZARDOUS WASTES**

**A. EPA HAZARDOUS WASTE NUMBER** — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

**B. ESTIMATED ANNUAL QUANTITY** — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

**C. UNIT OF MEASURE** — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE      CODE  
POUNDS ..... P  
TONS ..... T

METRIC UNIT OF MEASURE      CODE  
KILOGRAMS ..... K  
METRIC TONS ..... M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

**D. PROCESSES****1. PROCESS CODES:**

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

**2. PROCESS DESCRIPTION:** If a code is not listed for a process that will be used, describe the process in the space provided on the form.

**NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER** — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "Included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

**EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below)** — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARDOUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				Included with above

EPA I.D. NUMBER (enter from page 1)										FOR OFFICIAL USE ONLY									
WNYD000170138231										W DUP 32 DUP									

DESCRIPTION OF HAZARDOUS WASTES (continued)

WASTE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES									
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))					
1	F002	70,000,000	P	S04	T02					SPENT HALOGENATED SOLVENTS			
2	F003	8,000,000	P	S04	T02					SPENT NON-HALOGENATED SOLVENTS			
3	P030	4,000,000	P	S04	T02					CYANIDES (SOLUBLE CYANIDE SALTS)			
4	U002	7,000,000	P	S04	T02					2 PROPANONE (1)			
5	U121	60,000,000	P	S04	T02					METHANE TRICHLOROFLUORO			
6	U122	500,000	P	S04	T02					FORMALDEHYDE			
7	U154	1,000,000	P	S04	T02					METHANOL (1)			
8	U219	500,000	P	S04	T02					THIOUREA			
9	U220	2,000,000	P	S04	T02					TOLUENE			
10	D008	100,000	P	S04	T02					EP TOX L.EAO			
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													

## IV. DESCRIPTION OF HAZARDOUS WASTE (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

3

EPA I.D. NO. (enter from page 1)

FNYD00170138236

F6:  $\frac{A}{55}$ F6:  $\frac{A}{56}$ 

## V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

## VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

## FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, &amp; seconds)

41 28 20.0

LONGITUDE (degrees, minutes, &amp; seconds)

074 02 52.0

## VIII. FACILITY OWNER

A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code &amp; no.)

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

## IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

ABRAHAM Schneider

B. SIGNATURE

Abraham Schneider

C. DATE SIGNED

3/27/81

## X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

Robert Thomas

B. SIGNATURE

Robert Thomas

C. DATE SIGNED

3/27/81

P.E. 31  
*Steve Potter*  
(4)  
TS-PIC-87029  
March 1987

Site Analysis  
Majestic Weaving Company  
Orange County, New York

Interim Report

by  
Eric D. Warner, Imagery Analyst  
The Bionetics Corporation  
Warrenton, Virginia 22186

Contract No. 68-03-3161

Project Officer  
Richard G. Park  
Environmental Photographic Interpretation Center  
Environmental Monitoring Systems Laboratory  
Warrenton, Virginia 22186, FTS 557-3110

ENVIRONMENTAL MONITORING SYSTEMS LABORATORY  
OFFICE OF RESEARCH AND DEVELOPMENT  
U.S. ENVIRONMENTAL PROTECTION AGENCY  
LAS VEGAS, NEVADA 89114

NOTICE

As an interim product, this document has not gone through the complete EPIC quality assurance cycle. Any errors that are discovered during preparation of the final report will be corrected therein.

(4)

## ABSTRACT

Majestic Weaving, located in Orange County, New York, was a cloth print and dye operation for many decades until the early 1980s when it went bankrupt.\* New owners took possession in late 1985 and are now waiting for pollution and other problems to be resolved before reopening the facility for other manufacturing and storage uses.\* The site is being examined for disposal and storage practices of the chemicals used in the processes to prepare, then dye or print fabric.

Features seen during the analysis included pits, lagoons, debris, pipelines, tanks, staining, containers, exposed storage areas, and mounds of material.

The Environmental Protection Agency's (EPA) Environmental Photographic Interpretation Center in Warrenton, Virginia, a branch of the Advanced Monitoring Systems Division of the Environmental Monitoring Systems Laboratory in Las Vegas, Nevada, performed this study at the request of EPA Region 2.

This analysis covers the period between 1942 and 1983, and this interim report was completed in March 1987.

\*Denotes collateral information supplied by EPA Region 2.

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## INTRODUCTION

Prior to its bankruptcy in the early 1980s, the Majestic Weaving plant, located in Orange County, New York, prepared, then dyed or printed various types of fabrics. The processes used at the plant were standard at most such plants around the country.\* Of particular concern is the storage of chemicals used during the processes and the disposal of waste products. The wastes from the plant were handled by the sewage treatment plant of the town of New Windsor beginning in 1970.\* Wastes included sewage, cleaning wastes from dye or print tanks and wash water from the clothes and floors.\* The plant constructed a pretreatment plant in 1972 to supplement municipal waste treatment.\*

Aerial photography of the Majestic Weaving site was obtained to represent the period from 1943 to 1983.<sup>1</sup> Historical black and white photography for the years 1943, 1951, 1963 and 1971 color infrared photography for the year 1983 were used for this analysis.

Figure 1 depicts the location of the Majestic Weaving site, keyed to a U.S. Geological Survey (USGS) 1:24,000 scale topographic map. Site boundaries or areas used in this analysis were provided by EPA Region 2 and do not represent legal property lines.

Certain features that appear frequently throughout the analysis are numbered on the overlays (e.g., VT1, VT2, etc.) to facilitate their identification. Numbers are assigned only once, so that even if a feature disappears its number will not be reassigned to another feature of the same type.

\*Throughout this report an asterisk (\*) indicates collateral data provided by EPA Region 2.

The Environmental Protection Agency's (EPA) Environmental Photographic Interpretation Center in Warrenton, Virginia, a branch of the Advanced Monitoring Systems Division of the Environmental Monitoring Systems Laboratory in Las Vegas, Nevada, performed this study at the request of EPA Region 2. This interim report was completed in March 1987.

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## METHODOLOGY

A search of government and commercial aerial photographic sources was undertaken to obtain the best photography available of the site spanning the desired time frame. A listing of all maps and photography used for this report can be found in the References section.

The analysis was performed by stereoscopically viewing transparencies, backlit on a light table. By observing the area three-dimensionally, and at various magnifications, the analyst could search for objects, features, or signatures associated with different environmental conditions. The term "signature" refers to a combination of characteristics (such as color, tone, shadow, texture and size) which indicate a specific object or condition, even though the object itself is not identifiable from the photography.

Prints were made from coverages which reveal significant changes in the study area. Findings are annotated on overlays to these prints, or to maps of the study area, and full descriptions are provided in the accompanying text. The resolution quality of the original, transparent photography used by the analyst is degraded on the prints due to factors inherent in the printing process. Therefore, some objects or features identified from the original film and described in the text may not be clearly discernible, or even visible, on the photographic prints presented in this report.

Site boundaries or areas used in this analysis were provided by EPA Region 2.

In this report, the qualifiers "probable" and "possible" are used to indicate different levels of certainty in the photo identifications. "Probable" is used when a limited number of discernible features allow the analyst to be reasonably sure of a particular identification. "Possible" is used when only a few features are discernible or the features may not be

unique to that signature. Drawing the distinction between definite, probable and possible photo identifications allows field investigators to prioritize their efforts.

## AERIAL PHOTO SITE ANALYSIS

JULY 16, 1943 (FIGURE 2)

Tanks - Five possible or probable vertical tanks (VT) are visible onsite. Probable Vertical Tank 2 (VT2) is just north of a drainage channel. No stains or liquid are seen nearby. VT2 appears to be supported by legs. Possible tanks VT1 and VT3 are similar in appearance and are discussed together. VT3 is just east of a drainage channel. Probable Vertical Tank 4 is visible with no stains or liquid nearby. Probable Vertical Tank 5 is supported by legs and is on the roof of a building.

Miscellaneous - An object, 01, is visible just east of VT1. It appears to be resting on exposed earth and has a dark-toned ground stain (GST) on its south side. A second object (02) also appears to be resting on exposed earth and has a dark-toned ground stain on its east side. A pipeline is visible east of VT5. No stains or liquid are visible nearby. An area of disturbed ground (DG) is seen northeast of possible VT4.

A possible fill area (FA) can be seen northeast of the facility.

Drainage - The facility has been built on the flood plain of Moodna Creek which borders the site to the west. Moodna Creek, a tributary of the Hudson River, flows northward. A drainage channel flows northward from the facility into the creek. This channel may be part of an early waste disposal system.

(4)

FEBRUARY 12, 1951 (FIGURE 3)

Tanks - Probable Vertical Tanks 2 and 4 have not changed significantly since 1943. Because of the quality of the imagery, VT5 is annotated as "possible" rather than "probable," as it was in 1943. Possible VT1 and 3 are no longer visible. Two new possible Vertical Tanks, VT6 and 7, are resting on the roof. Pipelines connect these tanks with the building.

Open Storage - Large crate-like objects are visible in Open Storage Area 1 (OS1). This area appeared as disturbed ground in 1943.

Mounded Material - Dark-toned (DK) mounded material (MM) (DK MM1) is visible southeast of the plant. An area of dark-toned material (M) is visible southeast of DK MM1.

Miscellaneous - 01 is visible at it was in 1943. The ground stain seen on its south side in 1943 is not visible. 02 and the ground stain seen on its east side in 1943 are not apparent. A light-toned line is visible where a pipeline was seen in 1943. Because of the poor quality of the imagery, it could not be ascertained that this feature is a pipeline.

AUGUST 13, 1971 (FIGURE 5)

Automobiles (not annotated) are visible where HT1 and 2 were seen in 1963.

Tanks - VT1 and 4 have not changed significantly. A new possible vertical tank, VT8, is visible with standing liquid bordering its south side. Possible Horizontal Tanks 1-3 seen in 1963 are no longer visible. Bare ground (BA) is visible where HT3-5 were seen in 1963.

Open Storage - OS2 is visible with stacked, crate-like objects stored in a row. The area appeared as disturbed ground in 1963. A new storage area, OS3, is visible just north of DK MM1.

Mounded Material - Mounded material, MM2, is visible on a graded area just north of the facility. Two areas of debris (DB1 and 2) are seen near MM2. The debris appears to be rubble. Mounded material (MM3) and DK MM1 are visible near the southern boundary of the site. DK MM1 has not changed significantly since 1963.

Pits - P2 contains standing liquid; in 1963 it was dry. P1, visible south of VT1 in 1963, has been filled.

Miscellaneous - The two graded areas in the northern section of the site have been joined together and enlarged. O3, seen in 1963 in the northern part of this graded area, is no longer visible. A new object, O5, is visible in the southern part of the graded area. Two groups of containers, C1 and 2, are visible on the graded area just north of the facility. The containers in C1 appear to be tall and cylindrical, some of which are located on or near a ground stain. The containers in C2 are stacked and crate-like. Two areas of debris, DB1 and 2, are visible northwest of C2. The debris appears to be rubble.

SEPTEMBER 11, 1963 (FIGURE 4)

Tanks - VT2 and 4 have not changed significantly. They were seen as probable in 1951 but better resolution has allowed a more positive identification. VT5-7 are no longer visible. Five possible horizontal tanks (HT), HT1-5, are visible in the southwestern corner of the site. A ground stain is visible on the west side of the possible HT3-5.

Open Storage - Disturbed ground is visible where OSI was visible in 1951.

Mounded Material - A ground scar (GS) and a significantly reduced quantity of DK MM1 are visible where DK MM1 was visible in 1951. Mounded material (MM1) is visible just south of P1. The area of dark-toned material seen in the southern section of the site in 1951 is no longer visible.

Pits - New pits, P1 and 2, have been dug; both appear to be empty at this time.

Miscellaneous - Two graded areas (GA) are visible in the northern section of the site. An object, O3, can be seen on the northern graded area. An area of disturbed ground is visible where a possible fill area was seen in 1943. O4, with a ground stain on its west side, can be seen north of P2. A pool of standing liquid (SL) is visible south of P1.



Lagoons - L1 and 2 are visible where disturbed ground was seen 1963. At this time they are dry with some vegetation growing on their floor. Collateral information states that Majestic Weaving was hooked into the municipal wastewater treatment system in 1971. L1 and 2 were possibly part of a wastewater treatment system prior to 1971.

AUGUST 14, 1983 (FIGURE 6)

Tanks - VT1, seen in all previous years, is no longer visible. VT4 has not changed significantly. Possible VT8, seen in 1971, is no longer visible. A new vertical tank, VT9, is visible northeast of VT4. No stains or liquid are visible nearby. Two new horizontal tanks, HT6 and 7, are seen at the southwest corner of the facility.

Open Storage - A new open storage area, OS4, is next to the northern side of the facility. Objects in the area appear to be crate-like.

Mounded Material - MM1 and 2 and all but a small pile of DK MM1 seen in 1971 are no longer visible. The graded area northeast of the facility where MM1 was seen has been paved. The area where MM2 and DK MM1 were seen in 1971 is now visible as stained with debris (DB3) and trailers (not annotated) resting on it. Two small mounds of material, MM4, are visible in the southern part of the site.

Pits - Two new pits, P3 and 4, are seen just south of where L1 and 2 were seen in 1971. P2 has not changed significantly.

Lagoons - Two new lagoons, L3 and 4, are visible in the northern section of the site. A graded area and an object were visible in this area in 1971. L1 and 2 have been filled. They bordered the area to the north of where P3 and 4 are seen now.

Miscellaneous - The large graded area and O3 seen in the northern section of the in 1971 were visible where L3 and 4 are now seen. Only DB1 is visible where DB2 was also seen nearby in 1971. The size of DB1 has been reduced. The objects in DB1 now appear to be containers and equipment rather than the rubble seen there in 1971. New debris, DB3, is visible on a ground stain and around what is left of DK MM1. C1, seen in 1971 where P3 and 4 are now visible, and C2 are no longer seen. The ground stain seen in 1971 near C1 is also not visible. A new ground stain is visible southeast of P2.

## REFERENCES

## AERIAL PHOTOGRAPHY

<u>Date</u>	<u>Agency</u>	<u>Mission Code</u>	<u>Agency Frame #</u>	<u>Orig. Scale</u>	<u>EPIC Frame #</u>
July 16, 1943	NARS <sup>1</sup>	6A-690	VV52,53	1:20,000	3534:110,111
February 12, 1951	NARS	C1015; C1016	59-60	1:22,000	3534:108,109
September 11, 1963	ASCS <sup>2</sup>	ELQ	49-53	1:20,000	16724:172-176
August 13, 1971	ASCS	EL02	8-12	1:20,000	16724:177-181
August 14, 1983	EPIC <sup>3</sup>	83/060	8443-8455 8605-8613 8562	1:10,000	83/060:8443-8455, 8605-8613

## MAP

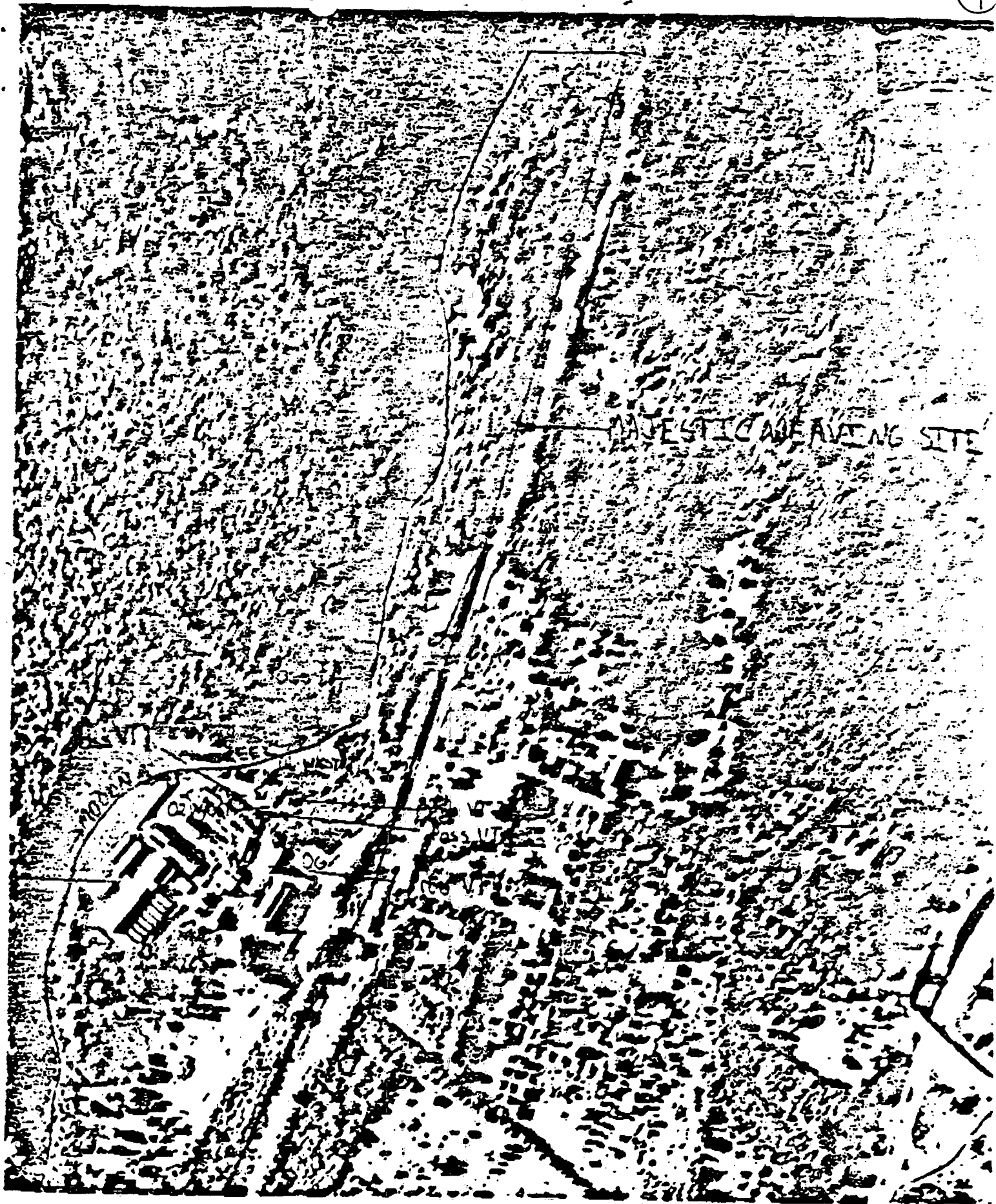
<u>Source</u>	<u>Name</u>	<u>Scale</u>	<u>Date</u>
USGS <sup>4</sup>	Cornwall, NY	1:24,000	1981

<sup>1</sup>National Archives and Records Administration<sup>2</sup>Agricultural Stabilization and Conservation Service, U.S. Department of Agriculture<sup>3</sup>Environmental Photographic Interpretation Center, U.S. Environmental Protection Agency<sup>4</sup>U.S. Geological Survey, U.S. Department of the Interior

## LEGEND

BA - Bare Area  
C - Containers  
DB - Debris  
DG - Disturbed Ground  
DK - Dark-Toned  
FA - Fill Area  
GA - Graded Area  
GS - Ground Scar  
GST - Ground Stain  
HT - Horizontal Tank  
L - Lagoon  
M - Material  
MM - Mounded Material  
O - Object  
OS - Open Storage  
P - Pit  
SL - Standing Liquid  
VT - Vertical Tank  
—→ - Drainage Channel  
---- - Historical Boundary  
| | | - Pipeline  
——— - Site Boundary





MAJESTIC WEAVING SITE

JULY 16, 1943

AVING

APPROX SCALE 1:10,000

INDUSTRIAL WEAVING SITE

MOON CREEK

ST. 265T  
OR 265T

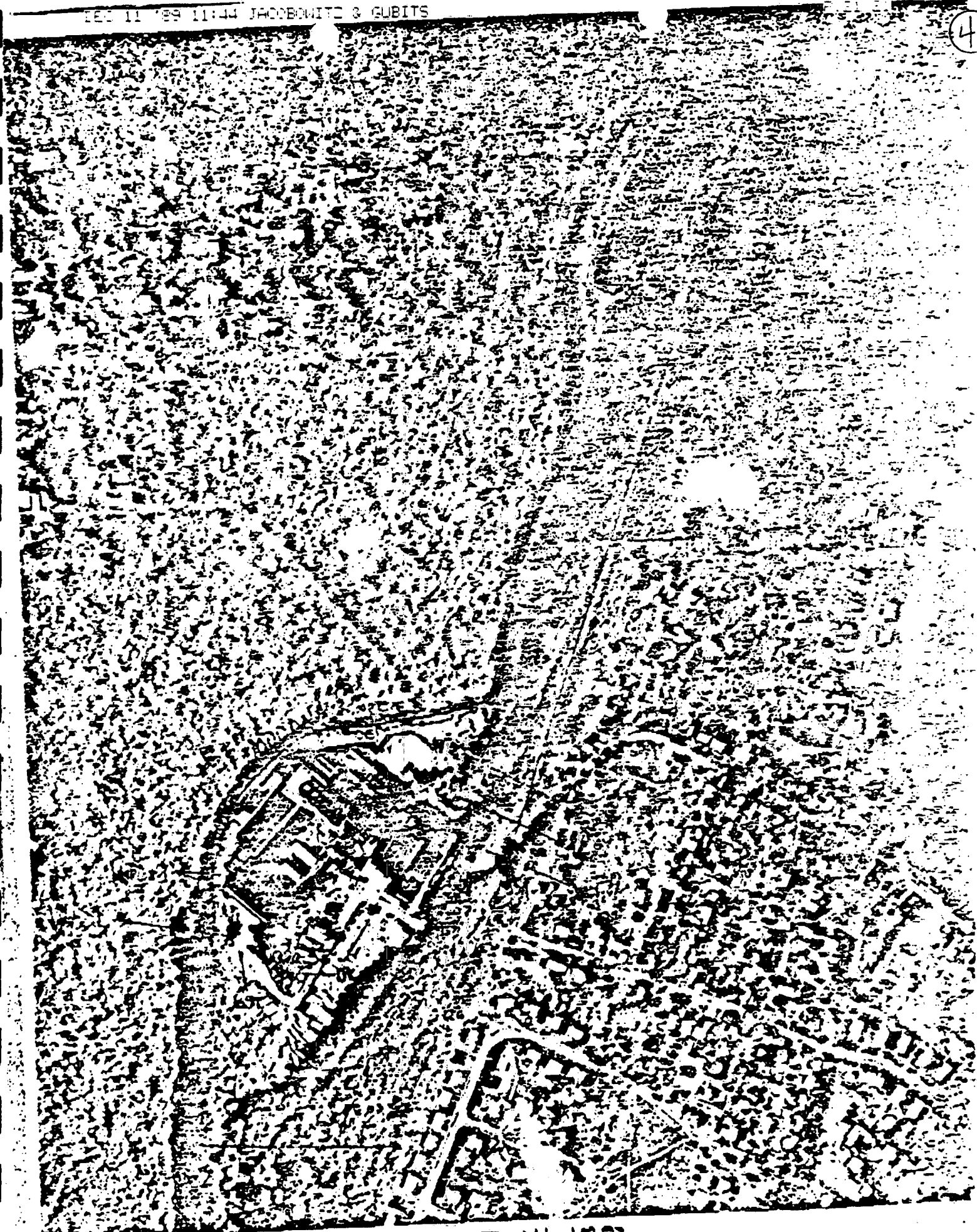
OR 265T

SEPTEMBER 11, 1963

APPROX. SCALE 1:500

SCALE 1:





AUGUST 14, 1983

HIRDY. SCALE 1:2



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GROUNDWATER MONITORING REPORT  
PREPARED IN RESPONSE TO  
EPA/EARTEC COMMENTS  
OF MARCH, 1983

MAJESTIC WEAVING COMPANY  
CORNWALL, NY  
(NYD001701382)

SEPTEMBER 6, 1984

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# Dames & Moore



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## 1.0 INTRODUCTION

This report presents the results of the Dames & Moore's groundwater monitoring program at the Majestic Weaving Company, Cornwall, N.Y. This program was designed and implemented to assist the Majestic Weaving Company in achieving compliance with the requirements of 40 CFR 255.90-.94 Groundwater Monitoring. It addresses the comments/deficiencies noted in the EPA/ERTEC Evaluation of March, 1983 (Reference 1) and fully incorporates all elements of the Dames & Moore proposal of October, 1983 and Project Plan of January, 1984. (References 2 and 3 respectively).

### 1.1 Project Background

The Majestic Weaving Company is located in Orange County, N.Y. within the corporate limits of the town of Cornwall (Figure 1).

It began operation in January, 1974. The nature of the business was application of color to textiles via printing and dyeing techniques including washing and finishing the fabrics after coloration. On August 7, 1981 Majestic Weaving filed for bankruptcy under Chapter 11. Operation of the facility was terminated on July 2, 1982 (Reference 1).

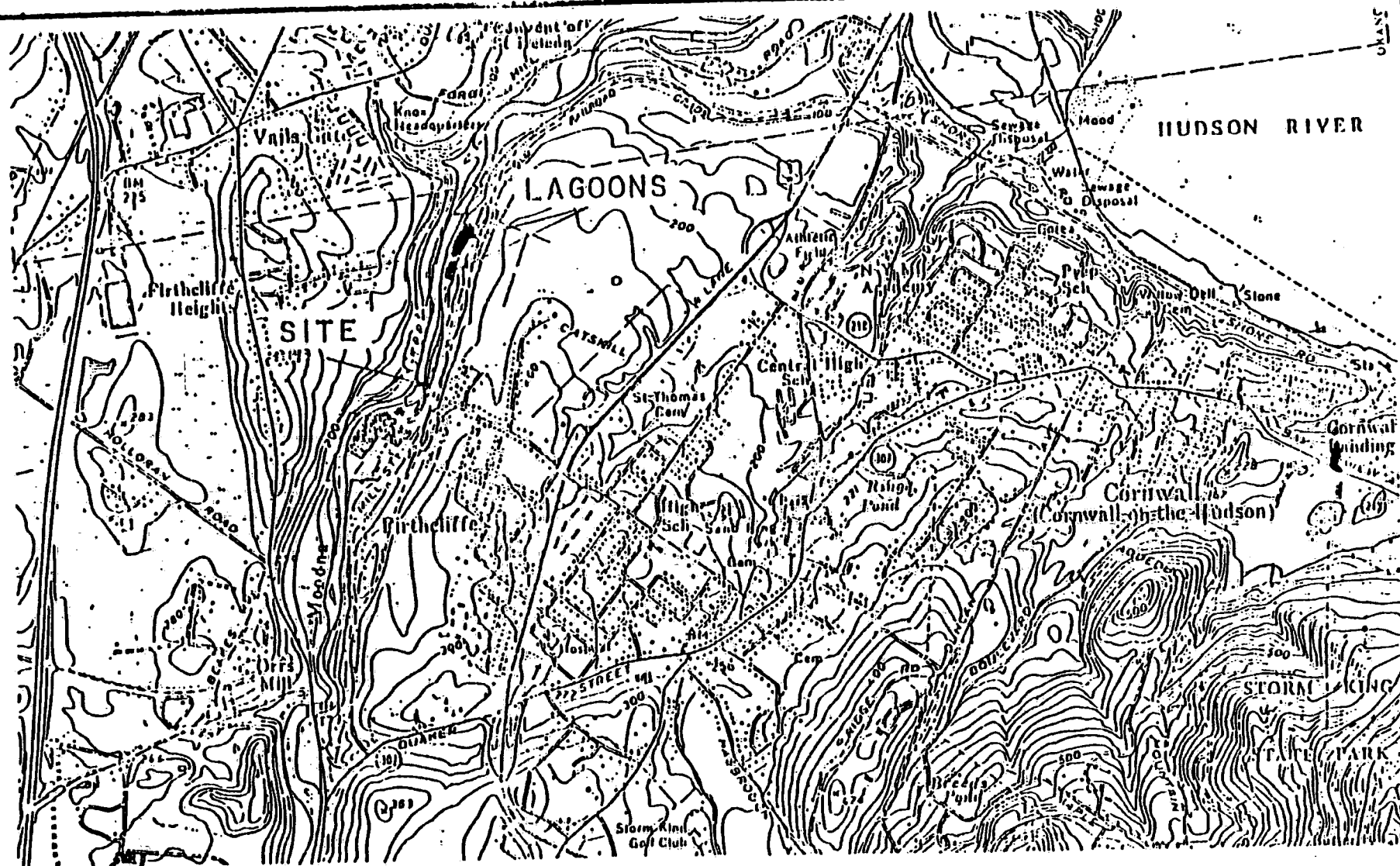
Wastewater treatment at this facility utilized surface impoundments (lagoons) which were used for storage and treatment of textile mill products (Process Codes S04 and T02). This facility ceased operations in July 1982 leaving some sediment within the lagoons. These two lagoons handled a mixture of wastes including:

- spent halogenated and non-halogenated solvents
- soluble cyanide salts
- acetone
- trichlorofluoromethane

FIGURE 1

DAMES & MOORE

REFERENCE: U.S.G.S. 7.5 MIN. TOPOGRAPHIC MAP,  
CORNWALL, NY (1961) QUADRANGLE.



SITE LOCATION MAP

- formaldehyde
- methanol
- thiourea
- toluene
- lead

These two lagoons (3.5 million gallons and 5 million gallons each) were constructed using synthetic liners (Reference 1).

#### 1.2 Regulatory/Technical Deficiencies Addressed

In March of 1983, ERTEC/Atlantic submitted to Region II EPA a report evaluating the groundwater monitoring program in place at the Majestic Weaving facility (Reference 1). In it, ERTEC noted 14 regulatory and technical deficiencies which prevented this program from complying with RCRA regulations. These deficiencies are summarized in Table 1. The purpose of the Dames & Moore work at this site was to correct/address these deficiencies and to assist this facility in meeting RCRA groundwater monitoring requirements. Table 1 also shows how Dames & Moore has corrected/addressed the EPA/ERTEC noted deficiencies.

TABLE 1

EPA/ERTEC Noted Deficiencies And  
Corrective Actions Taken  
GroundWater Monitoring Program  
Majestic Weaving Co.  
Cornwall, N.Y.

<u>Deficiency #</u>	<u>Summary</u>	<u>Corrective Action Taken</u>
1	Dry Upgradient Well	New Upgradient well installed, Yields water 3-5 gpm (Section 2.1).
2	Downgradient wells not shown to be down-gradient	Groundwater contour map shows wells are downgradient (Section 2.3).
3	Monitoring well construction and development not sufficient to judge compliance	As built well construction specifications provided (Table 2). Analysis indicates that specifications provided are sufficient to judge compliance and that these wells do comply with groundwater monitoring criteria.
4	No Groundwater Sampling and Analysis Plan developed.	Plan has been developed and is included in Section 3.1.
5	No analysis of groundwater for drinking water suitability parameters.	Samples taken and analyzed (Section 2.2). Results indicate that groundwater quality has not been adversely influenced by facility operations.
6	Background concentrations not established in down or upgradient wells.	Quarterly sampling begun. Next round of sampling has been scheduled for early September, 1984.
7	No Ground Water Quality Program Outline prepared.	Outline has been developed and is included in Section 3.2.
8	As built specifications for facility not available.	Field measurements were made of critical specifications needed to assess compliance. Measurements indicate that as built specifications are close to design specifications and that design specifications can be used to judge compliance (Section 4.1).

TABLE 1 (Continued)

EPA/ERTEC Noted Deficiencies And  
 Corrective Actions Taken  
 GroundWater Monitoring Program  
 Majestic Weaving Co.  
 Cornwall, N.Y.

<u>Deficiency #</u>	<u>Summary</u>	<u>Corrective Action Taken</u>
9	Elevations for monitoring wells not provided.	Wells have been surveyed and elevations provided in Table 2.
10	Construction well details incomplete. Data regarding well development not provided.	Well details provided, all wells have been re-developed sufficiently to ensure compliance. (Section 2.0)
11	Gravel packs for downgradient wells may be improperly placed	Assessment of Gravel Pack Placement made and analysis indicates gravel packs are properly placed.
12	Upgradient well (#4) located incorrectly	Upgradient well has been redrilled and is yielding representative water quality data sufficient to judge compliance.
13	No assessment of relationship between bedrock and unconsolidated aquifer	Assessment made (Section 2.4) and results indicate no connection between bedrock and unconsolidated aquifers.
14	No assessment of aquifer characteristics	Assessment made (Section 2.5) and values for hydraulic conductivity, transmissivity, etc. are provided.



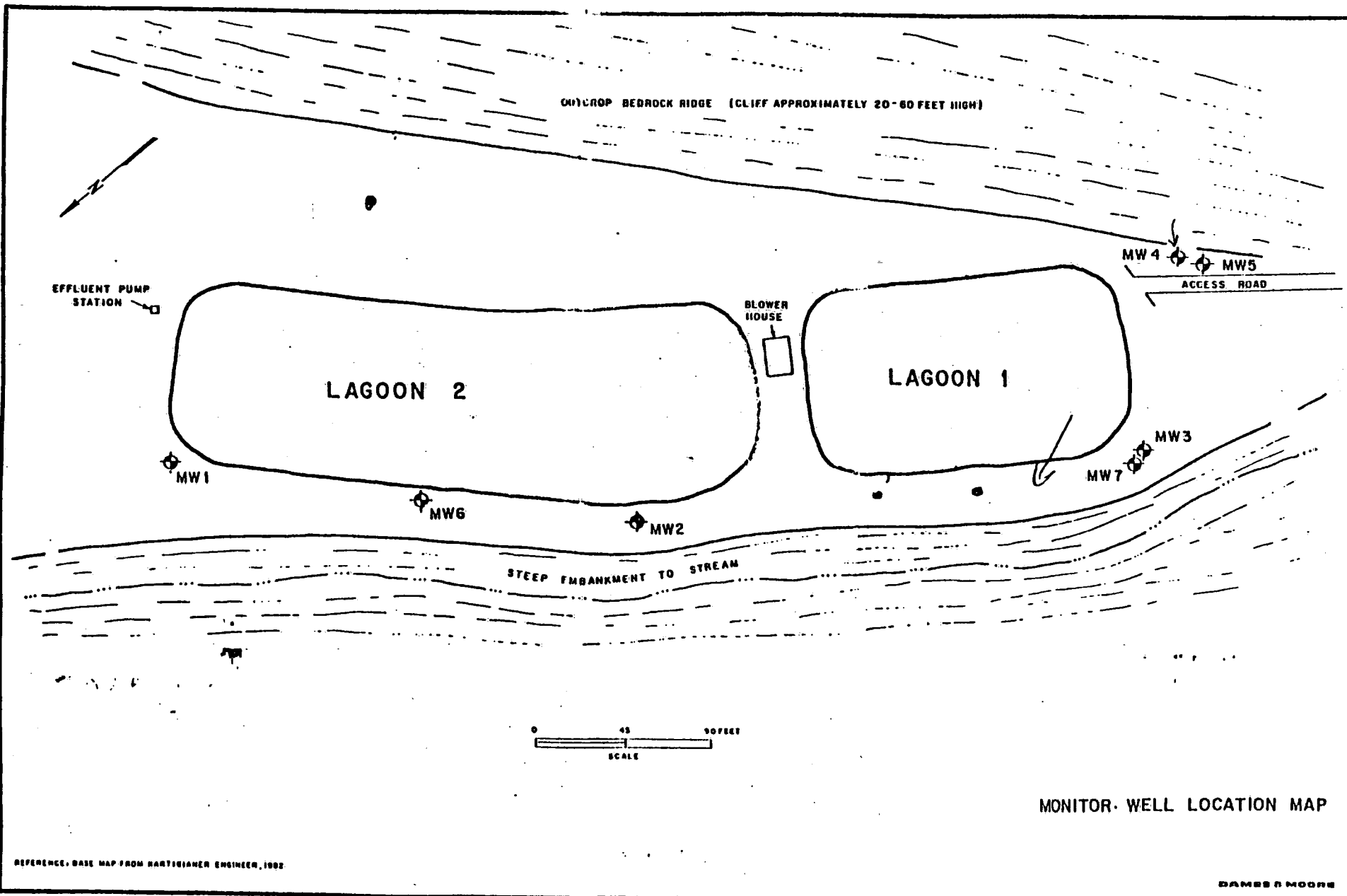
## 2.0 GROUND WATER MONITORING SYSTEM

The groundwater monitoring system now in service at the Majestic Weaving facility consists of a series of 6 monitoring wells, four of which monitor the unconsolidated water bearing zone and two which monitor the bedrock water bearing zones (Figure 2).

Dames & Moore, as part of its work, has drilled three of the above referenced monitoring wells (#'s 5, 6, and 7). These wells have been successful in correcting a number of EPA/ERTEC deficiencies noted in the March, 1983 review. The deficiencies corrected by the installation and use of these new wells include:

- o An upgradient well which was not yielding water. A new upgradient well was installed and is yielding representative background water quality data.
- o Downgradient wells not shown to be downgradient. Water table mapping has shown downgradient wells to be downgradient.
- o No assessment of relationship between bedrock and unconsolidated aquifers. An assessment has been made of aquifer characteristics and values for transmissivity, hydraulic conductivity, etc. are provided.

The remaining three of the wells in service (#'s 1,2,3) were installed by Kartiganer Associates in late 1982. As built specifications for the wells are shown in Table 2 and indicate that these wells are suitable for and are in compliance with groundwater monitoring criteria. Drilling logs for these wells are provided in Appendix 3. This data successfully addresses EPA/ERTEC noted deficiency #3 of Table 1. The majority of these specifications have been confirmed by testing and examination in the field and in conversations with the drilling firm that installed them (Geotechnical Drilling and Testing, Castleton, New York, 518-732-7281). All wells have been sampled for



parameters listed in 40 CFR 265.92 and analytical results are discussed in Section 2.2. This sampling brings the facility in compliance with EPA/ERTEC noted deficiency #5 of Table 1.

### 2.1 Additional Well Placement

Three additional wells were installed in April, 1984 by Dames & Moore in response to the EPA/ERTEC evaluation:

MW #5 New Upgradient Well: This new well is located 6 feet South of previously existing well number 4. It was installed in response to deficiencies numbers 1 and 12 listed in Table 1. The well has been completed in bedrock and yields approximately 3-5 gpm of water. Although it does not monitor the same water bearing zones as the downgradient wells, it is representative of upgradient water quality for the following reasons:

- o There is no consistent, unconsolidated water bearing zone upgradient Southeast of the lagoons. Bedrock outcrops within 20 feet of the southeastern edge of the lagoons and overburden is not present in sufficient quantities to support a separate water table.
- o A contour map of the groundwater surface shows that the piezometric levels of the bedrock water bearing zone very quickly approached those of the unconsolidated water bearing zone (Section 2.4). This indicates that these two water tables merge southwest of the facility prior to their discharge to Moodna Creek.
- o Local domestic users of water in the vicinity of the site tap the bedrock zone as their principal source of water (Ref. 5).

*Not to scale*

TABLE 2  
Well Construction Specifications

Specification	Well Number						
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
Inside diameter (in)	3.00	3.00	3.00	3.00	6.0	4.0	6.0
Total depth (ft)	39.11	37.17	29.28	8.83	45.58	39.03	68.79
Top of casing elevation (ft)	118.26	116.98	122.23	125.81	122.47	116.79	122.11
Ground level elevation (ft)	115.4	117.0	120.3	122.8	120.0	116.6	120.8
Stick-up (ft)	2.85	-0.02	1.93	3.01	2.47	0.79	1.31
Depth to* Water (Ft)	33.38	30.45	27.68	Dry	17.77	29.59	28.62
Water level elevation (ft)	84.87	86.54	94.55	Dry	104.70	87.20	93.49
Screen type	PVC	PVC	PVC	PVC	Open hole	PVC	Open hole
Screen size	0.10	0.10	0.10	0.10	N/A	0.20	N/A
Gravel pack	Graded sand	Graded sand	Graded sand	Graded sand	N/A	Graded sand	N/A
Drilling method	Auger	Auger	Auger	Auger	Air rotary	Air rotary	Air rotary
Well development	2-3 hours overpumping-all wells						
Casing type	Schedule 40-PVC	Schedule 40-PVC	Schedule 40-PVC	Schedule 40-PVC	Steel	Schedule 40-PVC	Steel
Screen length (Ft)	5	5	5	5	N/A	10	N/A

N/A = not applicable - open hole in Bedrock  
 -- = no information available  
 \* = as measured-5/24/84

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MW #6-Unconsolidated Zone Well

This well is located between existing wells 1 and 2. It has been completed in the unconsolidated sediments and taps groundwater immediately downgradient of Lagoon No. 2. It yields approximately 2-4 gpm. This well was installed at the direction of Mr. Andrew Bellina of Region II EPA who had expressed concern over the distances between wells 1 and 2. Drilling logs taken during the drilling of this well were used in the preparation of the boring logs shown in Figure 3. The installation of this well has been used to address deficiencies numbers 2 and 14 of Table 1.

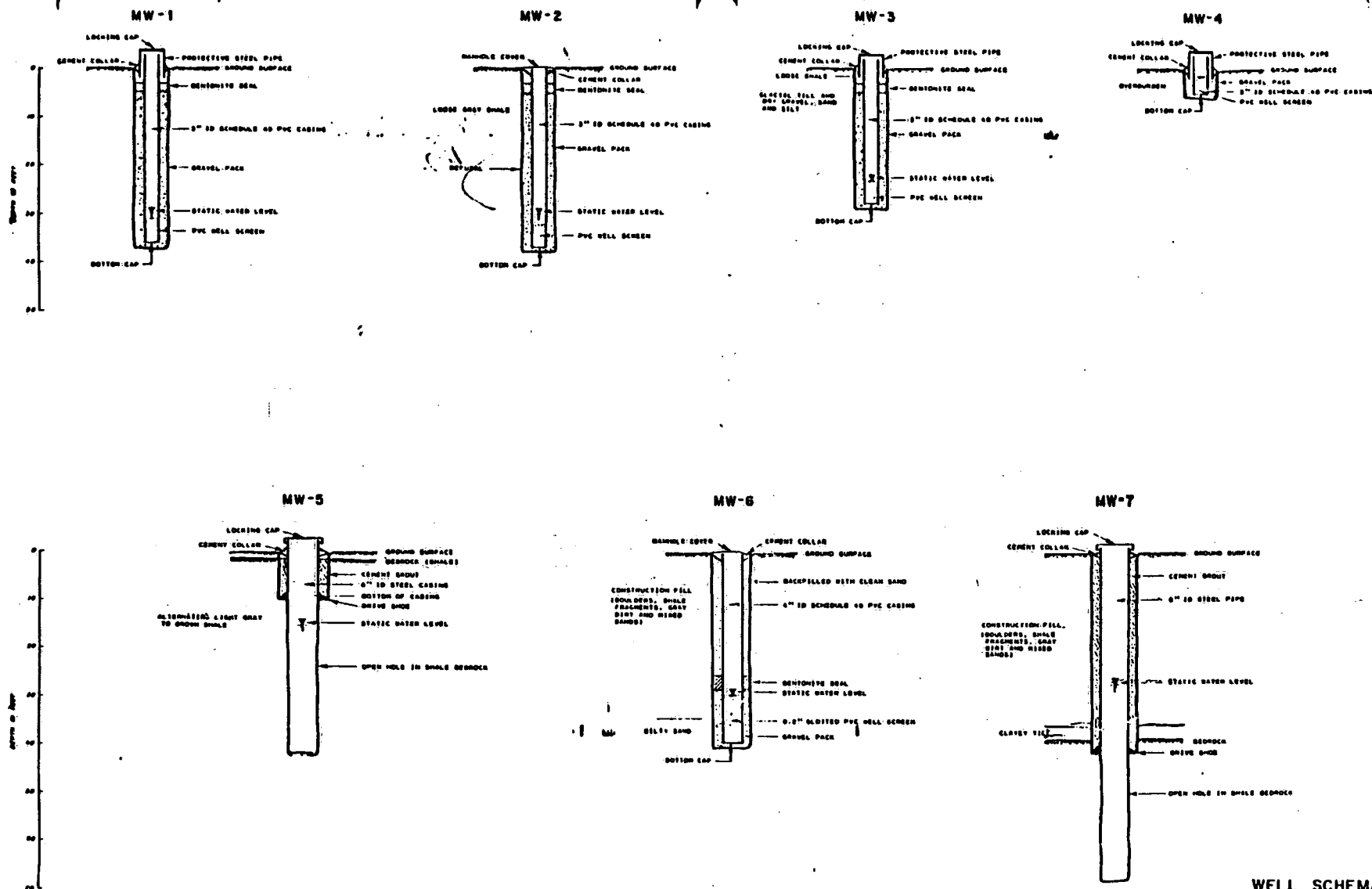
MW #7-Bedrock Well

This well is located 5 feet east of existing well #3. The installation of this well successfully address deficiencies numbers 13 and 14 of Table 1 and to provide information on bedrock water quality downgradient of lagoon number 1.

2.2 Sampling and Analytical Results

This report presents the results of the first round of a groundwater sampling program designed to monitor all existing downgradient wells (MW #1,2,3,6,7) and the new upgradient well (MW-5). Laboratory analysis of the samples collected from wells 1, 2 and 3 in January 1983 by Kartiganer Associates (Ref. 4) were not available for review or inclusion into this report.

Groundwater samples were obtained using EPA and NYSDEC approved protocols and procedures (as described in Section 3.1), and analyzed for the parameters listed in Table 3. Additional quarterly sampling/-analysis efforts necessary to remain in compliance with the groundwater monitoring requirements of RCRA is scheduled for early September, 1984.



WELL SCHEMATICS  
AND  
BORING LOGS

DAMES & MOORE

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Six monitoring wells (excluding No. 4 which was dry) were sampled on May 23, 1984. This sampling brings into compliance the groundwater monitoring system and successfully addresses EPA/ERTEC noted deficiencies # 5 and 6 of Table 1. The water samples were immediately shipped to New York Testing Laboratory in Westbury, Long Island, New York for analytical testing. The laboratory tests performed on these samples included analysis for chemical constituents in three categories: drinking water parameters; groundwater quality parameters and; contamination indicators. A complete list of all parameters, the maximum allowable concentration, the laboratory analytical method, the detection limit, and the EPA method number is presented in Table 3.

Deleted from the list of drinking water parameters were all herbicides, pesticides, and radionuclides. The reasons that these parameters were not included in the analytical testing program were twofold: Pesticides

TABLE 3

## Summary of Ground Water Monitoring Parameters and Analytical Methods

## Drinking Water Standards Parameters

<u>Parameter</u>	<u>Maximum Allowable Concentration (mg/l)</u>	<u>Detection Limit</u>	<u>Method</u>	<u>EPA (1979) Method Number</u>
Arsenic*	0.05	0.001 mg/l	Digestion followed by atomic absorption, furnace	206.2
Barium*	1.0	0.1 mg/l	Digestion followed by atomic absorption	208.1
Cadmium*	0.01	0.0001 mg/l	Digestion followed by atomic absorption, furnace	213.2
Chromium	0.05	0.001 mg/l	Digestion followed by atomic absorption, furnace	218.2
Lead*	0.05	0.001 mg/l	Digestion followed by atomic absorption, furnace	239.2
Mercury*	0.002	0.0002 mg/l	Flameless atomic absorption	245.1
Selenium*	0.01	0.002 mg/l	Digestion followed by atomic	270.2
Silver*	0.05	0.0002 mg/l	Digestion followed by atomic absorption, furnace	272.2

## Ground Water Quality Parameters

Chloride	NA	1.0 mg/l	Automated colorimetric	
Iron*	NA	0.03 mg/l	Digestion followed by atomic absorption	325.1
Manganese*	NA	0.01 mg/l	Digestion followed by atomic absorption	236.1
Phenols	NA	0.002 mg/l	Colorimetric, (4-AAP)	420.2
Sodium*	NA	0.002 mg/l	Digestion followed by atomic absorption	273.1
Sulfate	NA	3.0 mg/l	Colorimetric	375.2
Zinc	NA			



TABLE 3 (Continued)  
Summary of Ground Water Monitoring Parameters and Analytical Methods

Drinking Water Standards Parameters

<u>Parameter</u>	<u>Maximum Allowable Concentration (mg/l)</u>	<u>Detection Limit</u>	<u>Method</u>	<u>EPA (1979) Method Number</u>
<u>Ground Water Contamination Indicators</u>				
pH		10.1 units	Electrometric measurement	150.1
Specific Conductance	NA	36 umhos/cm	Wheatstone bridge	120.1
Total Organic Carbon	NA	1 mg/l	Combustion-with flame ionization	415.1
Total Organic Halogen	NA	1 mg/l	Dohrmann micro-coulometric detector, carbon absorption	**

NA = Not applicable

\* = number is reference from Standard Methods for Examination of Water and Wastewater, 15th Edition, (1980).

\*\* = The Analysis of Organohalides (OX) in Water as a Group Parameter (EPA, 199).

- 8
- o There is no history of these substances being handled on the site,
  - o There is no facility within a 2 mile radius of the site that handles these substances,

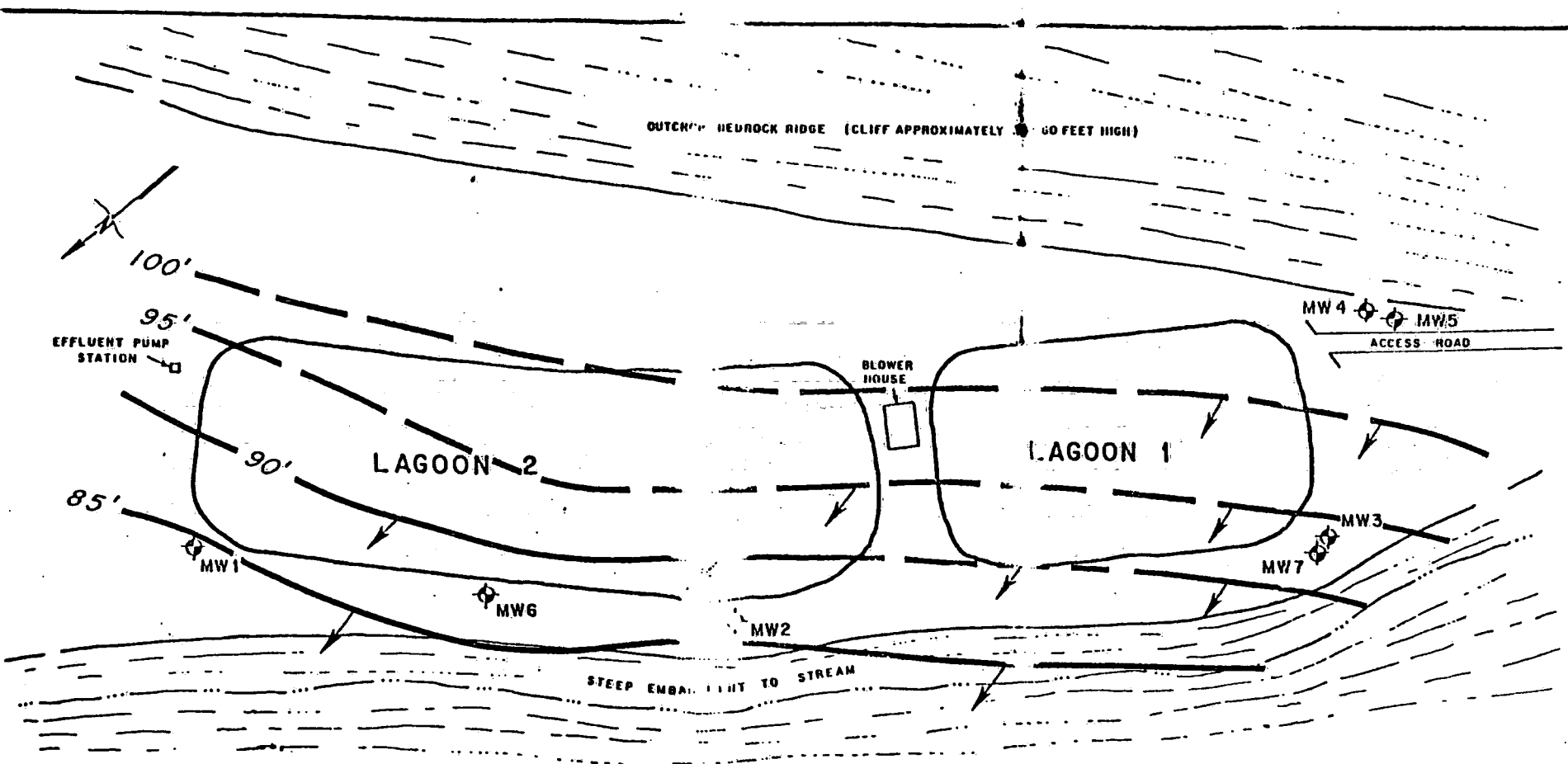
The laboratory results are summarized in Table 4 and reproduced in full in Appendix 2.

### 2.3 Groundwater Flow Regieme

Ground elevations and top of casing elevations at each well were measured by licensed surveyors, Eustance and Horowitz, P.C., of Circleville, New York, on May 24, 1984. Depth to water measurements taken on May 23, 1984 were then converted to water level elevations and are presented in Table 2. Completion of this task corrects EPA/ERTEC deficiencies No.'s 2 and 9 listed in Table 1.

Using these data, a groundwater contour map was constructed to determine the direction of groundwater flow and the hydraulic gradient (Figure 4). From this information, it becomes evident that the location of the downgradient wells are correct with respect to the direction of groundwater movement and therefore, satisfies EPA/ERTEC noted deficiency number 2.

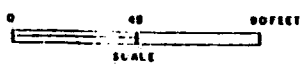
The groundwater contour map is presented in Figure 4 and reflects a uniform northerly flow of groundwater from the lagoons toward Moodna Creek. The hydraulic gradient across the site is uniform and approximately equal to 0.11.



EXPLANATION:

← DIRECTION OF GROUNDWATER FLOW

— GROUNDWATER CONTOUR



NOTES: 1. STREAM IS AT ELEVATION 80'. ELEVATION INCREASES UPSTREAM.

2. GROUNDWATER CONTOURS DASHED WHERE INFERRED.

# GROUNDWATER CONTOUR MAP

REFERENCE: BASE MAP FROM HARTIGER ENGINEER, 1992

TABLE 4

Laboratory Analytical Results-5/23/84  
All Results in ppm (mg/l) Except pH and Specific Conductance

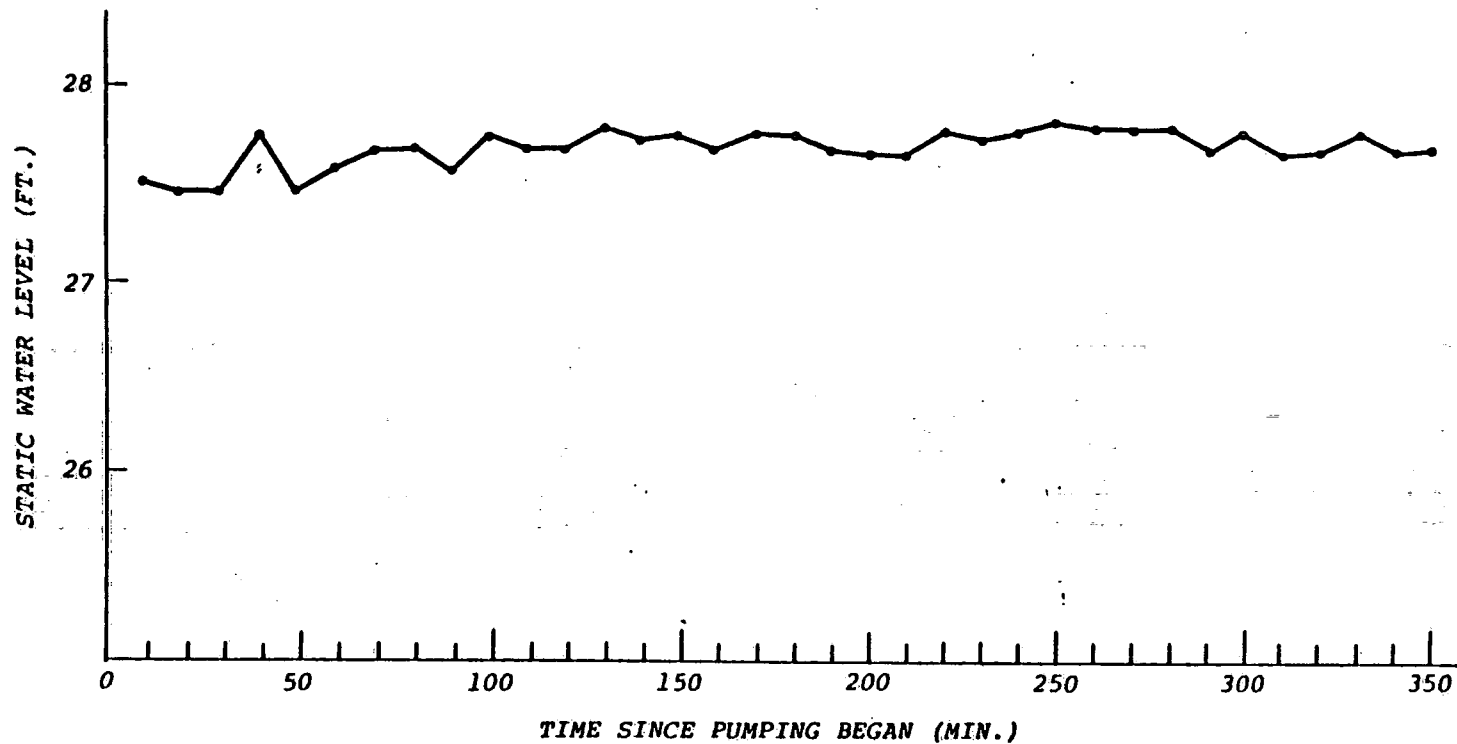
Parameter*	1	2	3	5	6	7	EPA Standard	D.W. NYS
Arsenic	0.021	0.038	0.084	<0.001	0.064	0.003	0.05	0.02
Barium	<0.05	<0.05	0.36	<0.05	0.38	0.42	1.0	1.0
Cadmium	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.01	0.01
Chromium, Total	0.013	0.057	0.095	<0.010	0.060	0.041	0.05	0.05
Chromium, Hex	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	--	--
Lead	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.05	0.05
Manganese	5.090	3.9	5.83	0.571	6.130	2.075	0.05	0.05
Mercury	0.0016	0.004	0.0016	0.0008	0.0038	0.0010	0.002	0.002
Selenium	0.008	0.001	0.010	0.010	0.013	0.015	0.01	0.01
Silver	<0.006	<0.006	<0.006	0.011	<0.006	<0.006	0.05	0.05
Sodium	5.64	75.4	6.33	4.16	4.20	4.52	50	50
Zinc	0.175	0.33	0.690	0.060	0.420	0.130	5	5
Iron	24.73	69.7	149.800	3.300	136.500	30.200	0.3	0.3
Phenols	0.008	<0.002	<0.002	<0.002	<0.002	0.019	0.001	0.001
Sulfate	15	17	19	18	17	16	250	250
Chloride	5	21	3	2	5	3	250	250
TOC (Avg)	4.8	10.5	3.8	1.5	1.3	1.5	--	0.5
TOX (Avg)	0.140	0.124	0.073	0.129	0.100	0.378	--	--
pH (Avg)	7.37	7.33	7.32	7.28	7.27	7.27	5.0-9.0	5.0-9.0
Spec. Conductance (Avg)	278	614	342	297	235	286	--	--

Laboratory Results-7/19/84  
Well Resampling

	Well No. 3	Well No. 6
Arsenic	0.015	0.036
Mercury	0.0001	0.0002

\*Flourides were inadvertently omitted from analytical schedule and will be included in the September, 1984 sampling.

E-1444-123  
BY D. Tom DATE 9/5/84  
CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_



PLOT OF MW-3 STATIC WATER LEVEL MEASUREMENTS  
TAKEN DURING INTERCONNECTION PUMPING TEST

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## 2.4 Interconnection Study

The interconnection study was undertaken to accomplish the following:

- o Address EPA/ERTEC noted deficiency No. 13 (Table 1).
- o Assess the degree, if any, of hydraulic interconnection between the unconsolidated and bedrock aquifers.
- o Assist in an evaluation of the suitability of the existing wells to adequately monitor the facility.

### Testing Methodology

A pumping test was conducted on monitor wells 3 and 7. As described in Section 2.1, MW #3 is screened in the unconsolidated zone with a static water level elevation of 94.55. MW #7 is a bedrock well (located within 5 feet of MW #3) with a static water level elevation of 93.49.

Monitor well #7 was continuously pumped for period of 6 hours at an average rate of 3.5 gpm. A total estimated 12,600 gallons of waste was removed from this well.

*as indicated in other wells*

During pumping, periodic water level measurements were made on MW #3 (Figure 5). No significant hydrologic connection between the two aquifers was demonstrated to exist. This has been confirmed by the fact that water levels in MW# 3 were not lowered as a result of the pumping of MW#-7.

### Test Results

As can be seen in Figure 5, water levels in MW #3 were not influenced by the pumping of MW #5. This indicates that there is no significant hydrologic connection between the two aquifers. This is further supported by information obtained from recent drilling activities.

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During drilling, no "weathered bed rock zone" was encountered. The transition from unconsolidated material to bedrock was very abrupt and distinctive. Such a sharp transition would make it difficult for unconsolidated aquifer waters to infiltrate the bedrock aquifers. Also, the shale is a very competent, massive dense rock. No thick fracture zones were encountered near the bedrock - unconsolidated zone interface. This would also inhibit the free exchange of water from the unconsolidated aquifer to the bedrock aquifer.

## 2.5 Aquifer Characteristics

Aquifer characteristics were examined to address EPA/ERTEC noted deficiency # 14 (Table 2). Specifically permeability, flow direction, and migration rates were determined from a series of short term pump and recovery tests and water level measurements in the unconsolidated zone aquifer.

### Permeability

The term permeability is used generally to denote coefficient of permeability. The coefficient of permeability (or hydraulic conductivity) is the quantity of water that will flow through a unit cross-sectional area of a porous material per unit of time under a hydraulic gradient of 1.00 at a specified temperature (Ref. 7).

This value was calculated for the unconsolidated aquifer at the Majestic Weaving Company by performing a series of short term pumping and recovery tests selected wells. These tests (conducted according to protocols described in Ref. 8) involve the recording water levels during and after the removal of water from the well.

These tests provide an estimate of aquifer transmissivity, which is the rate of flow in gallons per day through a vertical section of an aquifer whose height is the thickness of the aquifer and whose

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width is one foot at a hydraulic gradient of 1.00. From the measurement of transmissivity, the flow through the aquifer can be determined along with the aquifers permeability. The results of this testing are provided below:

Well #	Transmissivity (gal/ft <sup>2</sup> /day)	Permeability ft/day
3	1230	12
6	1100	11

Transmissivity rate of this magnitude are considered to be fair to poor for domestic wells while permeabilities are considered to be low to moderate (Ref. 8).

#### Flow Directions

Shallow Groundwater flows follow surface topography and drain to the north into Moodna Creek at a moderate gradient of 0.11. No artesian conditions were encountered during drilling activities in either the unconsolidated or bedrock water bearing zones. As Moodna Creek is not tidally influenced and there are no significant users of groundwater within a 1 mile radius, there is no potential for flow directions to reverse themselves. Groundwater flow directions are discussed further in Section 2.3.

#### Migration Rates

The migration of leachate from the two lagoons is dependent upon the groundwater velocity of the unconsolidated aquifer. Although in some cases migration of VOC's have been reported to flow at faster rates than the groundwater in which they are contained (Ref. 11). There is no reason to suspect, based on the first round of sampling, that this phenomenon is occurring at the Majestic Weaving facility.



Groundwater flow rates can be indirectly determined through calculations using a modified form of Darcy's Law (Ref. 11):

$$v = \frac{K i}{n}$$

where  $i$  is the linear velocity,  $k$  is the hydraulic conductivity of the geologic material (unconsolidated aquifer) and  $n$  is the porosity of the geologic material at the site (assumed from Ref. 8 to be approximately 30%). Using this approach, and given an average permeability of 12 feet per day and a hydraulic gradient of 0.11, the migration rate of leachate breaching the liners and emanating from the lagoon will be approximately 4.4 feet/day.

The center line of the lagoons is approximately 100 feet from the southeast bank of Moodona Creek. At this flow rate, the monitoring wells will intercept flow from the lagoons with 20-22 days and leachate will discharge to Moodona Creek within 20-25 days.

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### 3.0 RECORD KEEPING AND REPORTING

#### 3.1 Sampling and Analysis Plan

Recently enacted federal and state environmental regulations require that the owner or operators of certain types of hazardous waste facilities implement a ground water monitoring program. The primary goal of this program is to obtain reliable information on the ground water quality of the uppermost aquifer underlying these hazardous waste facilities. Therefore, the proper collection, handling, and analysis of ground water samples is of paramount importance.

As noted in the EPA/ERTEC list of deficiencies, no ground water sampling and analysis plan existed for the Majestic Weaving site. To correct that deficiency, Dames & Moore has developed a sampling and analysis plan. This plan details procedures and protocols essential to ensure the accurate collection and analysis of ground water samples taken from the Majestic Weaving Company monitoring network. All groundwater samples collected in May and July of 1984 followed the procedures and protocols outline below. To ensure compliance, future groundwater will be collected in an identical manner.

##### 3.1.1 Scope of Plan

A Sampling and Analysis Plan is required by Subpart F, Section 265.92 of the Resource Conservation and Recovery Act (RCRA) and Title 6 NYCRR Part 360 of the New York State Solid Waste Management Facilities Act. The plan presented below has been developed in accordance with specific regulations and guidelines. The following references have been used in its preparation:

- o Procedures Manual for Ground Water Monitoring at Solid Waste Disposal Facilities, 1977, U.S. EPA-530/SW-611 (Reprinted 1980).

- (4)
- o Methods for Chemical Analysis of Water and Wastes, 1979, U.S. EPA-600-4-79-020.
  - o Standard Methods for Analysis of Water and Wastewater, 1980, 15th Edition, APHA-AWWA-WPCF.
  - o Manual of Ground Water Sampling Procedures, 1981, Scalf, Marion R., et.al., NWWA/EPA Series.
  - o Water Well Technology, 1973, Campbell, Michael D., and Lehr, Jay H., NWWA.

As required by the regulations, this written plan for ground water monitoring contains procedures for sample collection, sample preservation and shipment, analytical procedures, and chain of custody controls.

Details of all existing monitoring wells are presented in Table 2 well locations are shown on Figure 2.

### 3.1.2 Sample Collection

#### 3.1.2.1 Sampling Order

In order to minimize the possibility for cross contamination, samples were collected beginning at the well least likely to be contaminated (upgradient well) and ending at the well most likely to be contaminated. The sampling order that was followed is indicated below:

<u>Sampling Order</u>	<u>Well No.</u>	<u>Description</u>
1	5	Upgradient well
2	3	Lagoon 1-unconsolidated zone
3	7	Lagoon 1-bedrock zone
4	2	South End Lagoon <del>X/2</del>
5	6	Mid point-Lagoon 2
6	1	South End Lagoon 2
	3-2	North

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### 3.1.2.2 Collection Technique

The actual collection technique can be broken down into three separate categories: measurements prior to sampling; well evacuation and sample acquisition.

#### Measurements Prior to Sampling

The following measurements were made and recorded in pencil in a bound field notebook prior to evacuating the well:

- o Name of sampling personnel, affiliation, date, and time of sampling.
- o Well number and location.
- o Short description of weather conditions.
- o Depth (ft) to static water level in the well (from top of steel casing).
- o Total depth (ft) of well or well point (from top of steel casing).
- o Height of water column (ft) in well or well point.
- o Volume of water in well (gal).
- o Volume of water (gal) to be evacuated (minimum 3-5 well volumes).
- o Equipment used to evacuate well (specify pump or bailer type, etc).
- o Equipment used to sample (if different).

#### Well Evacuation

Wells were evacuated (minimum 3-5 well volumes) using a well pump or a stainless steel bailer with screw-on Teflon valve. In the case of MW-3 which was bailed dry prior to removing the required volumes, it was allowed to reach 80% recovery and then immediately sampled. New nylon weave rope was used in the manipulation of the bailer and separate lengths were dedicated to each well and disposed of after use.

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A biodegradable, non-phosphate cleaning solution(e.g., ALCONOX) was used to clean the bailer upon completion of well evacuation. After washing it was then triple rinsed with distilled water prior to reuse.

Bailed or pumped evacuation water, as well as the wash and rinse water, were treated as potentially contaminated. This water was carefully collected into holding buckets and later emptied back into the lagoons.

#### Obtaining the Sample

After removal of the required volumes from the wells, field measurements of pH were made with a calibrated instrument and recorded in pencil in the bound field notebook. The sample bottles were then clearly labelled with permanent ink, indicating the client, the well number, location, date, time of sampling, and the person collecting the sample.

All sample bottles were filled to the top without overflowing. Caps were firmly hand tightened to prevent leakage. Because of the relatively low turbidity of the ground water at this location, no field filtering of samples was required. — Not good

Wells were sampled using a stainless steel bailer with screw-on Teflon check valve. Water from the bailer was transferred immediately to the sample bottle. After completing the sampling at each well, the bailer was washed in an Alconox solution and triple rinsed with distilled water as described earlier. Rinse and wash waters were disposed of into the lagoons.

#### 3.1.3 Sample Preservation and Shipment

As each full set of sample bottles were collected from each monitoring well, they were placed immediately into coolers packed with ice. The coolers were later transported to our office in White Plains

for pick-up by the testing laboratory. Temperatures of the samples were maintained at 4°C (39°F) at all times. Nitric acid was added to the bottles by the laboratory prior to sampling as a preservative.

#### 3.1.4 Analytical Procedures

A listing of the three groups of parameters analyzed—drinking water standards, ground water quality parameters, and ground water contamination indicators - are shown in Table 3. During the first year of monitoring, all of the parameters cited in Table 2 will be analyzed on a quarterly basis to establish background concentrations. After the first year, Groups I and II will be analyzed annually; Group III will be obtained and analyzed semi-annually.

All analysis will be performed by a New York State, Department of Health certified and approved laboratory. One blank distilled water sample will be collected in the field in similar sample containers, with and without preservatives, so that laboratory analysis can be performed to demonstrate that no container contamination has occurred.

#### 3.1.5 Chain of Custody Control

The field sampling personnel were responsible for the care and custody of the samples collected until delivered to the receiving laboratory. It was their responsibility to insure that each container is in his/her physical possession or view at all times or stored in a locked place to prevent tampering.

In order to establish the documentation necessary to trace sample possession from the time of collection, a chain of custody records were filled out immediately after sampling and accompanied each sample.

An example of the Chain of Custody Record similar to the one used at the Majestic Weaving Site is shown as Figure 6.



Figure 6

## Chain of Custody Record

REASON FOR SAMPLING

WITNESSES

COLLECTION PROCEDURE

METHOD OF PRESERVATION

REMARKS:

INITIALS BY

PRINTED NAME

UNIT

PURPOSE OF TRANSFER

SIGNATURE

TIME AND DATE

CUSTODY TRANSFERRED TO

PRINTED NAME

UNIT

PURPOSE OF TRANSFER

SIGNATURE

TIME AND DATE

CUSTODY TRANSFERRED TO

PRINTED NAME

UNIT

PURPOSE OF TRANSFER

SIGNATURE

TIME AND DATE

CUSTODY TRANSFERRED TO

PRINTED NAME

UNIT

PURPOSE OF TRANSFER

SIGNATURE

TIME AND DATE

RECEIVED IN LABORATORY BY

PRINTED NAME

UNIT

PURPOSE OF TRANSFER

SIGNATURE

TIME AND DATE

LOANED IN BY

PRINTED NAME

UNIT

ACCESSION NO.

SIGNATURE

TIME AND DATE

(8)

The person responsible for field sampling filled out the required information on this form prior to turning those samples over to the contract laboratory. Each person receiving the samples counted the number of bottles, noted their condition, the date, the reason for transfer, and the signed off on the Chain of Custody Record. One copy of the form was retained by the person doing the sampling, and another was retained by the laboratory.

### 3.2 Ground Water Assessment Plan Outline

To correct the EPA/ERTEC noted deficiency that a ground water quality program outline was lacking, Dames & Moore has prepared the following plan outline.

In accordance with RCRA 265.93 and NYS Part 360 Regulations when comparison of down-gradient well ground water contamination indicators with background ground water contamination limits (using Student's t comparison) shows statistically significant increases or decreases in the case of pH over initial background, the following steps will be taken:

- A) The well or wells which show the significant increase (or pH decrease) would be re-sampled in duplicate and the samples preserved, shipped, and analyzed for ground water contamination indicators in accordance with the Sampling and Analysis Plan.

If comparison of the ground water contamination indicators from the second set of samples with background values verifies significant increase (or pH decrease), written notification to the U.S. EPA Regional Administrator will be provided within seven days that the facility may be affecting ground water quality.

- B) Within 15 days after notification, a specific plan would be presented to the Regional Administrator which would include the following:
  - a. A review of all ground water quality and hazardous waste test data collected for the facility.



- b. An identification of specific parameters that may be causing contamination on the basis of the review.
- c. Waste type(s) and locations likely to have caused contamination on the basis of the review above (b). This information would be shown on map with ground water elevations.
- d. A program developed by a certified geologist or geotechnical engineer and schedule for implementation to determine the concentrations, rate and extent of hazardous waste or hazardous waste constituents in ground water. This program would be implemented in two stages:
  - i) Samples from the well or wells which indicate contamination would be obtained in general accordance with methods described in the Sampling and Analysis Plan. Analyses of parameters selected on the basis of specific waste constituents managed at the facility would be performed. If it is determined that the concentration increases are not related to the HWMF then normal monitoring would be re-instituted. If it is determined that hazardous waste has entered the ground water and sufficient data is available to characterize the rate and extent of contaminant movement, then:
  - ii) Additional monitor wells would be installed, ground water elevations established, samples obtained and analyzed for specific waste constituents. Additional steps that may be necessary to estimate rate of movement might include laboratory experiments to determine geotechnical interactions between wastes and natural soils, additional field testing to determine ground water velocity and mathematical modeling.

#### 4.0 DISCUSSION OF FINDINGS

##### 4.1 Groundwater Monitoring Systems

The following discussion summarizes the status of the groundwater monitoring system now operating at the Majestic Weaving facility:

- o Five wells downgradient of the lagoons are currently being monitored. Four of these wells tap the unconsolidated aquifer and one taps the bedrock aquifer. No additional wells appear to be necessary.
- o An operating upgradient well is being monitored and providing representative background information.
- o There does not appear to be a hydrologic connection between the two aquifers present at the site in the vicinity of the lagoons. However, as the water table contour maps indicates, the two aquifers probably merge northwest of the lagoons prior to their discharge to Moodna Creek.
- o Previously installed wells #'s 1-2-3 are properly located and constructed. Although the height of the gravel packs could not be confirmed, this will not influence water quality as the wells are screened in "first" water and properly sealed at the surface.
- o Based on the results of one round of water quality samples, the groundwater does not appear to have been adversely influenced by facility operations. This is discussed further in section 2.4.2.
- o Field measurements of lagoon depth, length, and width were made during initial site reconnaissance. The dimensions measured in the field did not vary more than 3-5 feet from

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those indicated on the Kartiganer plot plan of 26 November, 1982. It can be concluded from these field measurements that pre-construction lagoon drawings can be used as reasonably accurate "as built" drawings and are sufficient to judge compliance.

#### 4.2 Ground Water Quality

Chemical analysis of the groundwater samples collected on May 23, 1984 was performed to establish background concentrations in the up gradient and down gradient wells for these parameters listed in Table 3. Based on these analytical test results, the suitability of the groundwater as a drinking water supply was under taken by comparing the results to the USEPA National Interim Primary Drinking Water Standards.

Of the 100 individual analytical tests conducted on the groundwater from the downgradient monitoring wells at this facility 20 (20%) exceeded drinking water standards.

The majority of those parameters (10) which have exceeded standards are the relatively innocuous ones of iron and manganese. It should be noted that these parameters also exceeded water quality standards in the upgradient well and have been reported in the literature as being locally elevated (Ref. 5).

Elevated levels of arsenic (2) and mercury (2) were reported in the May sampling from monitor wells 3 and 6, but, upon subsequent resampling in July, their concentrations had dropped to permissible levels.

The concentration of Total Chromium exceeds the drinking water standard in wells 2, 3 and 6 by 0.007, 0.045, and 0.010 mg/l, respectively. Although chromium can exist in several valence states, the trivalent (+3) is most common in nature. All concentrations of

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hexavalent chromium, often found in industrial application and which is both a systematic poison and corrosive, were less than 0.005 mg/l.

Consequently, the concentration of Total Chromium does not seem to be a cause for serious concern at this time. However, its concentration in ground water will continue to be monitored.

The concentration of selenium from wells 6 and 7 are slightly above the standard (0.003 mg/l and 0.005 mg/l, respectively). The same is true for the phenol concentration reported from well No. 7 (0.018 mg/l). The significance of these results cannot be interpreted at this time because of the limited nature of the data base. These parameters will continue to be monitored.

An estimate of each parameters potential contribution to the water quality of Moodna Creek is presented in Table 5. The method used estimates a worst-case condition by using the highest concentration measured for each parameter for any well on site. It was also necessary to make assumptions or estimates for the highest reasonable transmissivity of the unconsolidated soil aquifer, the total groundwater discharge to Moodna Creek, and the average flow rate of Moodna Creek. Sample calculations are provided in Appendix 1.

In summary, the discharge quantity of such parameter to Moodna Creek from groundwater flow was estimated in units of kg/day. The resulting downstream concentration of each parameter in Moodna Creek was then calculated by diluting this quantity with the daily flow volume of Moodna Creek (Ref. 9&10). The calculated downstream concentration of each parameter indicates dilution factors of greater than one order of magnitude from those reported in the groundwater.

Based upon this analysis, and the results of the initial round of groundwater sampling, it appears that the lagoons at the Majestic Weaving Company are not adversely affecting local surface water quality. This will continue to be confirmed by the additional groundwater sampling required at this facility.

TABLE 5

Estimate of Parameter Discharge to Moodna Creek and Diluted  
Concentration After Mixing with Moodna Creek

Parameter	Highest Concentration Measured in g/w (mg/l)	Estimated Discharge Quantity to Moodna Creek (kg/day) Via Groundwater	Concentration in Moodna Creek Water Downstream of Lagoon No. 2 [Based on 10 CFS stream flow] (mg/l)
Arsenic	0.084	0.051	$2.04 \times 10^{-3}$
Barium	0.42	0.26	$1.04 \times 10^{-2}$
Cadmium	0.003	0.002	$4.0 \times 10^{-4}$
Chromium, Total	0.095	0.058	$2.82 \times 10^{-3}$
Chromium, Hexavalent	0.005	0.003	$1.20 \times 10^{-4}$
Lead	0.025	0.015	$6.0 \times 10^{-4}$
Manganese	6.130	3.758	0.15
Mercury	0.0038	0.0023	$9.6 \times 10^{-5}$
Selenium	0.015	0.009	$3.6 \times 10^{-4}$
Silver	0.011	0.007	$2.5 \times 10^{-4}$
Sodium	75.4	46.2	0.184
Zinc	0.690	0.423	$1.69 \times 10^{-2}$
Iron	149.8	91.8	3.67
Phenols	0.019	0.012	$4.8 \times 10^{-4}$
Sulfate	19.	11.6	0.464
Chloride	21.	12.9	0.516
TOC	12.	7.4	0.296
TOX	0.180	0.110	$4.4 \times 10^{-3}$

APPENDIX 3

Drilling Logs

SPECTOR Herb Dorman SURFACE ELEV. \_\_\_\_\_  
 MILLER Rappold BORING STARTED 1/24/83  
 OPER Gardner-Lodge BORING COMPLETED 1/25  
 LOG NO. J-2 STATION On  
 OFF SET \_\_\_\_\_

SAMPLING  
 SS SIZE 1-3/8" ID 2" OD  
 HAMMER: 140 DROP: 30"  
 ST SIZE \_\_\_\_\_ ST SIZE \_\_\_\_\_  
 CASING USED 5.0' SIZE 5.0'

WATER LEVEL OBSERVATION  
 WL: \_\_\_\_\_ WS OR WD \_\_\_\_\_  
 WL: \_\_\_\_\_ BCR \_\_\_\_\_ ACR \_\_\_\_\_  
 WL: \_\_\_\_\_ AB \_\_\_\_\_ Hr. AB \_\_\_\_\_  
 WL: \_\_\_\_\_ 24 Hr. AB \_\_\_\_\_

JOB NO. 5122 BORING NO. W-3 CLIENT Kartiganer Associates

Depth or Elevation		Sampling Method	PENETRATION RECORD								Op	Penetrometer Test in TSF	Boring Location	Sample Description	F.T. - Fish Tail W.O. - Wash Out S.S. - Split Spoon D.B. - Diamond Bit P.A. - Power Auger R.B. - Rock Bit W.S. - White Sampling W.D. - White Drilling B.C.R. - Before Casing Removal A.C.R. - After Casing Removal A.B. - After Boring	
From	To		Hydraulic Pressure PSI			Split Spoon Blows				Casing Blows Per Foot			R Length Recovered in Feet			Op
			Time Sec. Hour	Pressure While Sampling	Pressure While Coring	6"	6"	6"	6"							
						← 2 Feet →										
1	0.0	2.0	SS				8	38	16	43		0.6		Brown silt, fine-medium gravel, moist		
	0.0	5.0	RB				5" casing to 5.0'							RB through cobbles & fill to 5.0'		
2	5.0	6.0	SS				75	100				.6		Brown, gray silt, some fine sand, fine-medium		
	5.0	10.0	RB				Bentonite slurry							gravel, moist		
3	10.0	11.0	SS				50	125				1.0		Brown silt & some fine sand, fine-medium gravel,		
	10.0	15.0	RB											brick fill, moist		
	15.0	17.0	SS				42	61	52	110		1.5		Brown silt & some fine sand, fine-medium gravel,		
	15.0	21.0	RB											brick, fill, moist - change to 17.5' RB thru series		
														of cobbles, drilled in cobble to 20.0' RB to 21.0'		
5	21.0	23.0	SS				53	43	16	11		NR		Change to 300 lb hammer 22.0' pushed pieces of		
	21.0	26.0	RB											cobbles - change @ 25.0'		
6	26.0	28.0	SS				13	8	7	12		1.7		Brown, fine sand & silt, fine sand & clay layered,		
	26.0	28.0	RB											wet		
														End of boring 28.0'		
														Set screen 23.0-28.0' flushed fresh water, sand to		
														5.0' grouted pellets cemented steel locking casing		

2

SAMPLING  
SS SIZE 1-3/8" ID 2" OD  
HAMMER: 140 DROP: 30"  
ST SIZE \_\_\_\_\_ ST SIZE \_\_\_\_\_  
CASING USED \_\_\_\_\_ SIZE 4"

**WATER LEVEL OBSERVATION**  
 WL: \_\_\_\_\_ WS OR WD \_\_\_\_\_  
 WL: \_\_\_\_\_ BCR \_\_\_\_\_ ACR \_\_\_\_\_  
 WL: \_\_\_\_\_ AB \_\_\_\_\_ Hr. AB \_\_\_\_\_  
 WL: \_\_\_\_\_ 24 Hr. AB \_\_\_\_\_

BORING NO. W-2

## CLIENT

**WEATHER** sunny **TEMP.** 30

## ABBREVIATIONS



SPECTOR Herb Dorman SURFACE ELEV. \_\_\_\_\_  
 MILLER Rappold BORING STARTED 1/12/83  
 LPER Gardner-Lodge BORING COMPLETED 1/13  
 G NO. J-2 STATION On  
 OFF SET \_\_\_\_\_

SAMPLING  
 SS SIZE 1 3/8" ID 2" OD  
 HAMMER: 140 DROP: 30"  
 ST SIZE \_\_\_\_\_ ST SIZE \_\_\_\_\_  
 CASING USED \_\_\_\_\_ SIZE 4"

WATER LEVEL OBSERVATION  
 WL: \_\_\_\_\_ WS OB WD  
 WL: \_\_\_\_\_ BCR \_\_\_\_\_ ACR  
 WL: \_\_\_\_\_ AB \_\_\_\_\_ Hr. AB  
 WL: \_\_\_\_\_ 24 Hr. AB

JOB NO. 5122 BORING NO. W-2 CLIENT Kartiganer Associates

Depth or Elevation		Sampling Method	PENETRATION RECORD								Q <sub>p</sub> Penetrometer Test in TSF	Boring Location  Majestic Mills	Sample Description	F.T. - Fish Tail W.O. - Wash Out SS - Split Spoon D.B. - Diamond Bit P.A. - Power Auger R.B. - Rock Bit W.S. - While Sampling W.D. - While Drilling B.C.R. - Before Casing Removal A.C.R. - After Casing Removal A.B. - After Boring	
From	To		Hydraulic Pressure PSI			Split Spoon Blows				Casing  Blows Per Foot					R  Length Recovered in Feet
			Time Sec. Hour	Pressure While Sampling	Pressure While Boring	6"	6"	6"	6"						
						2 Feet									
0.0	1.0	RB										4-1/2" RB through blacktop & compact gravel fill to 1.0'			
1.0	1.9	SS				44	100	14			0.9	Brown silt & clay, shale & fine gravel, cobbles, moist			
1.0	5.0	RB													
5.0	7.0	SS				7	28	54	98		1.5	Brown silt & clay, fine gravel, shale, fill			
5.0	10.0	RB				Casing to 10.0						Change @ 8.5' to			
10.0	11.1	SS				31	78	100	11		1.0	Gray silty clay, fine-medium gravel, cobbles, moist			
10.0	15.0	RB													
15.0	16.0	SS				20	107				0.7	Gray silty fine-medium gravel, cobbles, shale			
15.0	20.0	RB										Hit shale cobbles @ 18.5-19.7'			
Bentonite Slurry															
20.0	22.0	SS				17	32	49	40		1.4	Gray silty fine-medium gravel, cobbles, shale			
20.0	25.0	RB										fill - change @ 23.5' to			
25.0	27.0	SS				32	40	54	115		1.4	Brown silt & fine sand, fine gravel, wood,			
25.0	30.0	RB										original ground level, slight smell, series of cobbles 27.0-30.0'			
30.0	32.0	SS				30	21	17	12		1.0	Brown, fine-medium sand, trace silt, wet			
30.0	35.0	RB													
35.0	37.0	SS				50	48	49	75		1.5	Brown, fine-medium sand, trace silt			
35.0	40.0	RB										Change @ 38.5' to			
						50	78	85	120		1.5	Gray fine sand some silt, wet			



**SAMPLING** **RECEIVED**  
SS SIZE 1-3/8" ID 2" OD  
HAMMER: 140 DROP: 30" AUG 27 1984  
ST SIZE \_\_\_\_\_ ST SIZE \_\_\_\_\_  
CASING USED \_\_\_\_\_ SIZE 5"

WL: \_\_\_\_\_ WS OB WD  
WL: \_\_\_\_\_ BCR \_\_\_\_\_ ACR  
WL: \_\_\_\_\_ AB \_\_\_\_\_ Hr AB  
WL: \_\_\_\_\_ 24 Hr AB

WEATHER sunny TEMP.27

## ABBREVIATIONS

Depth or Elevation		Sampling Method	PENETRATION RECORD							Casing	R	O <sub>p</sub>	Penetrometer Test in TSP	Boring Location	Sample Description	F.T. - Fish Tail W.O. - Wash Out S.S. - Split Spoon D.B. - Diamond Bit P.A. - Power Auger R.B. - Rock Bit W.S. - White Sampling W.D. - White Drilling B.C.R. - Before Casing Removal A.C.R. - After Casing Removal A.B. - After Boring
From	To		Hydraulic Pressure PSI			Split Spoon Blows										
			Time Sec. Hour	Pressure While Sampling	Pressure While Coring	0"	6"	6"	6"							

	0.0	1.0	RB													
1	1.0	3.0	SS				13	22	18	14		0.6		Light brown silt, fine-medium stone, moist, fill		
	3.0	5.0	RB													
2	5.0	7.0	SS				22	37	33	30		1.2		Light brown silt, fine-medium gravel, cobbles, dry		
	0.0	10.0	RB				Casing to 5.0									
3	10.0	12.0	SS				20	40	62	110		1.0		Light brown silt, fine-medium gravel, shale, moist		
	10.0	15.0	RB				Bentonite Slurry							fill		
4	15.0	17.0	SS				60	74	74	105		1.5		Gray-brown silt, fine-medium gravel, shale, moist-		
	15.0	20.0	RB											wet		
5	20.0	22.0	SS				35	37	19	37		1.5		Gray, brown silt, fine-medium gravel, shale, moist-		
	20.0	25.0	RB											wet		
6	25.0	25.4	SS				100/4					0.1		Brown, gray silt, fine-medium gravel & shale, moist		
	25.0	30.0	RB											series of cobbles - change @ 29.5' to		
7	30.0	32.0	SS				25	50	26	37		1.0		Gray silt, trace fine sand, fine-medium gravel,		
	30.0	37.0	RB											wood, original ground level (moist)		
														RB through boulder 34.5'-36.6'		
8	37.0	38.5	SS				52	95	160			1.0		Gray, fine sand & silt, wet, very dense		
	37.0	38.0	RB													
										</						

Boyd Artesian Well, Co., Inc.

D. No. 5 Rte. 52  
Carmel, N.Y. 10512  
(914) 225-3196



6

WELL LOG

WELL NO. OB 3  
SHEET NO. 1 OF 1  
DATE STARTED 4/27/84  
DATE FINISHED \_\_\_\_\_  
DRILLER Steve  
EQUIPMENT Drilltech

PROJECT Majestic Mills  
CLIENT Dames & Moore  
ENGINEER \_\_\_\_\_  
LOCATION Willow Rd. Cornwall

REMARKS

EQUIPMENT INSTALLED	DEPTH IN FT.	FORMATION & SAMPLES	REMARKS
Man hole 2" pipe	0	asphalt road bed $\approx$ 3"	
CEMENT	5	fill dirt brown	
Fill	10	brown/gray organic dirt, mixed w/ shale frags 7/10 mm diam	
Denmark	15	gray dirt, well rounded shale frags, some crushed, some dirt	
Fill	20	gray shale mixture, some red brick frags, boulders frags	Construction Fill
	25	mixed shale (crushed) w/ dirt & fill material	
	30	med. fine construction fill w/ shale fragments & boulders (sandstone)	
	35	same as 25-30'	Water at 34'
	40	pebbles in very fine sand/silt	detectable OOC!
Bottom screen 40.2 (sand up from bottom)	41	End of Dring @ 41'	

to top  
1.5'  
table  
pvc  
3.5'  
0'  
screen

Boyd Artesian Well, Co., Inc.

R.D. No. 5 Rte. 52

Carmel, N.Y. 10512

(514) 225-3196



WELL LOG

WELL NO. R 5

SHEET NO. 1 OF 1

DATE STARTED 4/26/84

DATE FINISHED 4/26/84

DRILLER HENRY

EQUIPMENT Drilltek

PROJECT Martini Mill  
CLIENT \_\_\_\_\_  
ENGINEER DAMES + MOORE  
LOCATION William Rd Cornwall

EQUIPMENT INSTALLED	DEPTH IN FT.	FORMATION & SAMPLES	REMARKS
	+2'	top of 6" casing	
	0	GRADE	
	1.5'	Boulder fill ledge	
		Dark Grey Shale	
6" Drill Hole			
Cement Grout	10'	Bottom of casing	
	11	Brown shale	
	15	Light Grey Shale	
	20	Brown shale	
	20		
	25	Light Grey Shale	
	27	Brown shale - 1 1/4 gal per min water	
	29	Light Grey Shale	
		Dark Grey Shale	
	33	Brown shale	
	35		
	37	Dark Grey shale	
	38	Light Grey shale water	
		Dark Grey shale	
	40		
	41	Light Grey shale	
		END OF BORING	
			Tested at 24' at 1 1/2 per
			Tested At Bottom with Air Lift = 5 1/2 gpm

Boyd Artesian Well, Co., Inc.  
R.D. No. 5 Rte. 52  
Carmel, N.Y. 10512  
(4) 225-3196



WELL LOG

WELL NO. R-8  
SHEET NO. 1 OF 1  
DATE STARTED 4/26/64  
DATE FINISHED 4/26/64  
DRILLER H. Boyd  
EQUIPMENT AIR ROTARY

PROJECT Majestic Mills  
CLIENT \_\_\_\_\_  
ENGINEER DANIEL + MOORE  
LOCATION Willow Rd Cornwall N.Y.

EQUIPMENT INSTALLED	DEPTH IN FT.	FORMATION & SAMPLES	REMARKS
	12	Top of 6" casing	
	0	Gravel	
		ORGANIC soil - BLACK	
		Gravel + silts + sands	
	10	DARK GRAY color	
	12	Boulders	
		Gravel fill	Construction fill
	17	Boulder	
	19		
		Gravel mix	
	25	Gravel-sand	Lost air circulation
	30		
Cement Grout	40	Brown clay Rock ledge	
10 of 8" Boring	42	Bottom of casing	
		Soft Brown shale 1 pt per min.	
	50		
		Gray shale	
	55		
		Brown shale 1 gpm	
	60		
		Gray shale	
END of 6" Boring	65		Total well flow with AIR Lift 1 gpm = 2

FILED

CLIFFORD P. KIRSCH  
CLERK

JUL 17 2 54 PM '84

U.S. BANKRUPTCY COURT

IN RE

BY ROSALYN DUND  
DEPUTY

BAYONNE BARREL & DRUM  
COMPANY, INC.,

Debtor,

UNITED STATES DISTRICT COURT  
DISTRICT OF NEW JERSEY

Chapter 11

Case No. 82-04747

DECLARATION THAT AUTOMATIC STAY  
IS INAPPLICABLE

IT APPEARING TO THE COURT, from the record herein, that the administrative enforcement proceeding initiated by the United States Environmental Protection Agency ("EPA") against Bayonne Barrel & Drum Company, Inc., Docket No. II RCRA-82-0105, through which EPA seeks to compel Bayonne Barrel to comply with certain federal hazardous waste control regulations which EPA alleges that the company has violated, constitutes a valid exercise of the police power of the United States. It further appearing to the Court that EPA's issuance of administrative orders or initiation of other action pursuant to Section 7003 of the Resource Conservation and Recovery Act ("RCRA") and/or Section 106 of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 ("CERCLA") to protect public health and welfare and the environment also constitutes a valid exercise of the police power of the United States.

ACCORDINGLY, pursuant to 11 U.S.C. §362(b)(4), EPA's proceeding with enforcement action under Sections 3008 or 7003 of RCRA or Section 106 of CERCLA is exempt from the automatic stay.

William R. Debevoise  
DICKINSON R. DEBEVOISE  
JUDGE, UNITED STATES DISTRICT COURT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION II

**In the Matter of**

MAJESTIC WEAVING  
NYD001701382

**Respondent.**

Proceeding Under Section 3008 of the  
Solid Waste Disposal Act, as amended.

**CONSENT AGREEMENT AND**  
**FINAL COMPLIANCE ORDER**

**Docket No. II RCRA-82-0208**

PRELIMINARY STATEMENT

This administrative proceeding was instituted pursuant to Section 3008 of the Solid Waste Disposal Act, as amended, 42 U.S.C. §6901 et seq. ("the Act"). [Note: Among the statutes amending the Act is the Resource Conservation and Recovery Act, 90 Stat. 2795, P.L. 94-580 (1976).]

The Director of the Enforcement Division of the U.S. Environmental Protection Agency ("EPA"), Region II, Complainant in this proceeding, issued a Complaint, Compliance Order and Notice of Opportunity for Hearing to Respondent, Majestic Weaving Company on May 12, 1982. Said document charged Respondent with certain violations of Section 3004 of the Act, 42 U.S.C. §6924, and the regulations promulgated thereunder.

**This Consent Agreement and Final Compliance Order is being entered into by the parties in full settlement of all liabilities**

which might have attached as a result of the proceedings.

Respondent acknowledges the jurisdiction of the EPA to proceed in this matter and to issue this Order. Respondent has read the Final Compliance Order set out herein, and without any admission of liability, believes it to be reasonable and consents to its issuance and its terms. Respondent furthermore waives its right to receive a hearing on the abovereferenced Final Compliance Order, and agrees to pay a penalty in the amount called for in the Order herein.

#### FINDINGS OF FACT AND CONCLUSIONS OF LAW

1. Respondent owns and operates a facility located at Two Mill Street, Cornwall, New York ("the facility").

2. By notification dated August 18, 1980, Respondent informed EPA that it conducts activities at the facility involving "hazardous waste," as that term is defined in Section 1004(5) of the Act, 42 U.S.C. §6904(5) and in 40 CFR §261.3. By submittal on November 19, 1980 of a Part A application pursuant to the requirements of 40 CFR Part 122, Respondent requested a permit to conduct its hazardous waste activities.

3. On February 18, 1982 an inspection of the facility was conducted by duly-designated representatives of EPA pursuant to Section 3007 of the Act, 42 U.S.C. §6927. Said inspection was conducted for the purpose of enforcing the EPA regulations for hazardous waste management, 40 CFR Parts 260 and 265 (published in 45 Fed. Reg. 33063 et seq., May 19, 1980), promulgated pursuant to Subtitle C of the Act, 42 U.S.C. §6921 et seq.



4. The above-referenced inspection revealed that Respondent's facility was being used for the generation, treatment and storage of hazardous waste, including EP toxic sludge and wastewater containing toluene and methanol.

5. 40 CFR Part 265 sets standards for all hazardous waste treatment, storage, and disposal facilities. These standards apply until final administrative disposition of permit applications submitted by owners and operators of facilities has been made. No such final disposition has been made with respect to the company's facility, and thus the standards of Part 265 apply to that facility.

6. 40 CFR 265.90 requires the owner or operator of a surface impoundment that is used to manage hazardous waste to install, operate, and maintain a groundwater monitoring system (including monitoring wells). Respondent is the owner or operator of a surface impoundment used to manage hazardous waste at the facility and was, therefore, required to install a groundwater monitoring system by November 19, 1981. At the time of the above-referenced inspection, Respondent had not yet installed monitoring wells or submitted an alternate monitoring plan to EPA. A properly-certified, written demonstration that there was a low potential for migration of hazardous waste or hazardous waste constituents was not present at the facility. Respondent was, therefore, in violation of 40 CFR 265.90.

9

4

FINAL CONSENT

ORDER

Based upon the foregoing, and pursuant to Section 3008 of the Act, and Section 22.18 of the Consolidated Rules of Practices Governing the Administrative Assessment of Civil Penalties and the Revocation or Suspension of Permits, 40 CFR §22.18, it is hereby ORDERED that Respondent shall hereinafter comply with all relevant regulations at 40 CFR Parts 261 and 265, including, but not limited to, the following:

1. Respondent shall, by no later than thirty (30) days after the effective date of this Order, submit to EPA a ground water monitoring plan which includes at a minimum, 3 well clusters located hydraulically downgradient from lagoons 1 and 2 and one cluster located hydraulically upgradient from the two lagoons. Each cluster shall consist at a minimum, of one well at the unconsolidated strata-bedrock interface and one in the upper bedrock. Additional wells in each cluster shall be installed as required to confirm the presence/absence of contamination.

2. Respondent shall at a minimum include the following items in the plan described above:

- A) Well construction data including boring logs showing conformance with 40 CFR 265.91(c), and
- B) A sampling and analysis plan including a Quality Assurance/Quality Control protocol as required in 40 CFR 265.92

3. Respondent shall at a minimum analyze samples for the following contaminants:

- 1) Parameters listed in 40 CFR Part 265 Appendix III (Samples shall be collected for analysis every month for 4 consecutive months).
- 2) Volatile Organics (done by scan) (Samples shall be collected every month).
- 3) Parameters listed at 40 CFR 265.92(b)(2) (Samples shall be collected every quarter).
- 4) Parameters listed at 40 CFR 265.92(b)(3) (Samples shall be collected every month).

Monitoring shall begin 30 days after EPA approval of the monitoring plan described in paragraphs 1 and 2 above.

4. Respondent shall, by no later than sixty (60) days after the effective date of this Order, submit to EPA a copy of the outline of a groundwater quality assessment program required under 40 CFR 265.93.

5. Respondent shall, by no later than sixty (60) days after the effective date of this Order, submit to EPA a closure plan that satisfies the requirements of 40 CFR 265.112(a). Respondent shall also comply with other applicable requirements governing closure and post-closure set forth at 40 CFR Part 265, Subpart G.

6. Respondent shall, within twenty (20) days after the completion of all work required pursuant to paragraphs #1 to #6 of this Order, above, certify in writing to EPA that such work has been completed. Such certification should be addressed

to William K. Sawyer, Attorney, Office of Regional Counsel, Room 437, U.S. Environmental Protection Agency, Region II, 26 Federal Plaza, New York, New York 10278.

7. Respondent shall comply with the Hazardous and Solid Waste Amendments of 1984.

8. Unless Respondent certifies in writing (as required by paragraph 6) and demonstrates to EPA's satisfaction that Respondent has complied with paragraphs #1 to #6 of this Order, Respondent shall pay by cashier's or certified check a civil penalty for the violation cited herein in the amount of seven thousand dollars (\$7,000.00), payable to Treasurer, United States of America. Such payment shall be made within one hundred twenty (120) days of receipt of a signed and executed copy of this Final Consent Order and the payment shall be remitted to the Regional Hearing Clerk, EPA, Region II, 26 Federal Plaza, New York, New York 10278. Failure to remit any required payment in full will result in the referral of this matter to the United States Attorney for collection.

The provisions of this Order shall apply to and be binding upon the parties to this action, their officers, directors, agents, and successors and assigns in their official capacities.

SO ORDERED, EFFECTIVE IMMEDIATELY.

CONSENT

Respondent has read the foregoing Order, and, without any admission of liability or final adjudication of any <sup>ISSUE</sup> of fact or law and neither admitting nor denying the specific factual allegations in the Complaint, believes it to be reasonable, and consents to its issuance and to its terms. Furthermore, Respondent explicitly waives its right to request a hearing on this Order, and agrees to pay the penalty amount called for in the Order.

RESPONDENT:

BY: \_\_\_\_\_

MAJESTIC WEAVING

DATE: \_\_\_\_\_

COMPLAINANT:

Douglas R. Blazey  
Regional Counsel  
U.S. Environmental Protection  
Agency  
Region II

DATE: \_\_\_\_\_

The Regional Administrator of EPA, Region II concurs in

the abovesited findings. The foregoing Order as agreed upon by the parties is hereby approved and issued, effective immediately.

Christopher J. Daggett  
Regional Administrator  
U.S. Environmental Protection  
Agency  
Region II  
26 Federal Plaza  
New York, New York 10278

COPY 10

JACOBOWITZ AND GUBITS

GERALD N. JACOBOWITZ  
DAVID B. GUBITS  
JOHN H. THOMAS, JR.  
GERALD A. LENNON  
PETER R. ERIKSEN  
LINDA F. MADOFF  
HOWARD PROTTER  
RONALD J. COHEN  
DONALD G. NICHOL  
LARRY WOLINSKY\*

COUNSELORS AT LAW  
158 ORANGE AVENUE  
POST OFFICE BOX 367  
WALDEN, NEW YORK 12586-0367  
914-778-2121  
914-427-2101  
FAX: 914-778-5173

November 26, 1990

J. BENJAMIN GAILEY  
MARK A. KROHN\*\*  
ANTHONY G. AUSTRIA, JR.  
JOHN C. CAPPELLO\*\*\*  
GEORGE W. LITHCO\*\*\*\*  
PETER C. KOSTANT  
JOHN G. FARRELL  
MARK G. ABERASTURI  
DOUGLAS H. ZAMELIS

\*ALSO ADMITTED IN N.J.  
\*\*ALSO ADMITTED IN FLA.  
\*\*\*ALSO ADMITTED IN CA.  
\*\*\*\*ALSO ADMITTED IN CT.

**RECEIVED**  
**URS CONSULTANTS**

NOV 28 1990

Mr. Rob Smith  
NYS Department of Environment Conservation  
Region 3  
21 South Putt Corners Road  
New Paltz, New York 12561

RE: Majestic Weaving Site/Remediation Report  
Our File #62218-01

Dear Mr. Smith:

As per your request, I am writing this to update the Department regarding the remediation efforts ongoing at the former Majestic Weaving site, Cornwall, New York. This correspondence will update you as to what has already taken place as well as our intentions and plans for further investigation and remediation.

I. DRUM REMOVAL

The 78 storage containers that were stored either inside the main building or outside on pallets were sampled and analyzed by Envirotest Laboratories. Based on those analyses, the drum contents were disposed of off-site in accordance with all applicable rules and regulations. The remaining nonhazardous materials and associated equipment such as sampling equipment, tarps, etc. were removed from the site on November 16, 1990. This drum removal project is now complete.

II. SOIL REMEDIATION

The three small areas of soil contamination near the entrance to the site were sampled and analyzed by Envirotest Laboratories. This limited sampling program was approved and monitored by yourself. Based on these analyses, it was determined that at least part of one of the areas of soil contamination contained high enough concentrations of volatile organic compounds (VOCs) to require its disposal as a hazardous waste. The other two areas of contamination showed low enough concentrations so as to allow them to be disposed of as industrial waste.

Subsequent to that sampling effort, as well as a great deal of footwork regarding remediation and disposal options, those areas of

Mr. Rob Smith  
November 26, 1990  
Page 2

contamination have been disturbed. The cause of this disturbance is presently under investigation. We do know that heavy equipment was involved and that these areas were likely disturbed by a bulldozer. This disturbance was not authorized by the Board of Managers of the condominium and we are currently assessing the situation to determine how to proceed with the remediation. I will update you on this matter as more information becomes available.

### III. LAGOON REMEDIATION

The two surface impoundments located at the site have been inactive for approximately ten years. No activity has taken place at these lagoons and the only dynamic of this system has been the inflow and evaporation of rainwater. A limited sampling effort was undertaken in 1988 by ERM/Northeast. The data from this program have been provided to the Department.

The analytical results were favorable and the sampling of the groundwater monitoring wells downgradient from the lagoons showed results well within New York State drinking water standards.

It is our intention to proceed with the remediation of the lagoons in a stepwise fashion. The first step will be the removal of the supernatant. We have met with the Town of New Windsor regarding pumping the supernatant to the New Windsor sewage treatment plant since that influent would be within the Town's industrial discharge standards. The Town was receptive to this idea but requested that we provide them with current data. Pursuant to the Town's request, we will soon be undertaking a new sampling program at the lagoons. Under this program, we will be sampling the supernatant and the sludge to reassure the Town that the supernatant is indeed within their industrial discharge standards and will test the sludge regarding its dewaterability.

Once the supernatant is removed, we will then remediate the approximately 1700 cubic yards of sludge. If the sampling shows that it will be feasible, we might consider remediating the sludge in situ or, in the alternative, dispose of the sludge off-site.

Once the sludge is removed, we will then be able to inspect the synthetic liner to determine if there have been any breaches in its integrity. If there are breaches in the liner's integrity, we will then sample the soil beneath the synthetic and clay liners to determine if there has been any impact to the soil or groundwater. In light of the fact that the groundwater monitoring wells have always shown drinking quality water, we feel it is unlikely that the lagoons have impacted soils and/or groundwater.



Mr. Rob Smith  
November 26, 1990  
Page 3

This completes the outline of the remediation efforts at the former Majestic Weaving site in Cornwall, New York. If you have any questions or wish to comment on any of the future plans, we welcome your input and I urge you to contact me. We hope to continue in this spirit of mutual cooperation with the Department and I thank you for your courtesy and cooperation extended.

Very truly yours,

Douglas H. Zamelis

DHZ:vlt  
DZ1-162.TXT  
cc: Martin Brand, P.E.  
Mr. Robert Kreuzer

- 1 -

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION -- INDUSTRIAL CHEMICAL SURVEY (ICS)  
02/25/91

ICS #: 3177354 MAJESTIC WEAVING CO. INC.

\*\*\*\*\*

2 MILL ST. CORNWALL NY 12518

CONTACT: ABRAHAM SCHNEIDER TELEPHONE: (914) 534-2591

BUSINESS: TEXTILE PRINTING &amp; FINISHING

DUN &amp; BRAD#: 00-170-1382

SIC CODE...: 2231

MUNICIPAL PERMIT#: 0022144

REGION.....: 03

INDUSTRIAL PERMIT#: -

COUNTY.....: ORANGE

AIR FACILITY#.....: 3324890202

GAZETTEER#: 3522

EPA ESTABLISHMENT#: -

TOPO REF...: P-24-2

LATITUDE...: 41-27-10

DRAIN BASIN.....: 13-03

LONGITUDE...: 74-01-25

WATERBODY ID#...: 1303 7077

RECEIVING WATER: MOODNA CREEK

FORM DATE...: 77-03-25

NAME OF SEWER SYSTEM DISCHARGED TO:

CORNWALL (T) JOINT VILLAGE-TOWN STP

## RESPONSES TO QUESTIONS:

DISCHARGE TO A MUNICIPAL SEWER SYSTEM	YES
DISCHARGE UNDER A SPDES OR NPDES PERMIT	NO
OTHER DISCHARGE OF LIQUID WASTES	NO
DISCHARGE PROCESS OR CHEMICAL WASTES	NO ANS
DISCHARGE NON-CONTACT COOLING WATER	NO ANS
DISCHARGE COLLECTED STORM DRAINAGE ONLY	NO ANS
DISCHARGE SANITARY WASTES ONLY	NO ANS
POSSIBLE EMISSIONS TO THE ATMOSPHERE	YES
MANUFACTURE PESTICIDES	NO
PRODUCE PESTICIDES	NO
FORMULATE PESTICIDES	NO
PACKAGE PESTICIDES	NO

## SUBSTANCES OF CONCERN USED

SUBSTANCES OF CONCERN USED	CODE	CAS NO.	AVG. ANNUAL USE	AMOUNT ON HAND	UNITS	USECODE
FREON TF	A05	000076-13-1	UNKNOWN	20,000 POUNDS	CLN	
TOLUOL	D02	000108-88-3	600	300 GALLONS	CLN	
METHYL CELLOSOLVE	J99	000109-86-4	UNKNOWN	UNKNOWN	UNKNOWN	UNK
GIV-GARD DXN	G99	000828-00-2	UNKNOWN	UNKNOWN	UNKNOWN	UNK
POLAR ORANGE R	F24	002429-80-3	UNKNOWN	UNKNOWN	UNKNOWN	BAS
ASTRAZON BLUE BG	F24	002787-91-9	UNKNOWN	UNKNOWN	UNKNOWN	BAS
SETACYL TURQ. BLUE G	F24	003179-90-6	UNKNOWN	UNKNOWN	UNKNOWN	BAS
POLAR RED G	F24	003567-65-5	UNKNOWN	UNKNOWN	UNKNOWN	BAS
GYCOLAN BLACK WAL	F24	005610-64-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
POLAR YELLOW 5G	F24	006372-96-9	UNKNOWN	UNKNOWN	UNKNOWN	BAS
POLAR RED RS	F24	006459-94-5	UNKNOWN	UNKNOWN	UNKNOWN	BAS
ARLACELC	G99	008007-43-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
MINERAL SPIRITS(VARSOL #18)-7.5% AROMATIC	G25	008032-32-4	5,000	6,000 GALLONS	BAS	
TRITON X-100	G99	009002-93-1	UNKNOWN	UNKNOWN	UNKNOWN	UNK
CARBOPOLS	P99	009003-01-4	UNKNOWN	UNKNOWN	UNKNOWN	UNK
KELGIN XL IALGINIC ACID, NA SALT?!	G99	009005-38-3	UNKNOWN	UNKNOWN	UNKNOWN	UNK
MANUTEX RS IALGINIC ACID, NA SALT?!	G99	009005-38-3	UNKNOWN	UNKNOWN	UNKNOWN	UNK
TRITON X-114	K99	009036-19-5	UNKNOWN	UNKNOWN	UNKNOWN	UNK
TAMOL L	P99	009084-06-4	UNKNOWN	UNKNOWN	UNKNOWN	UNK
RESOLIN BLUE FBL	F24	012217-79-7	UNKNOWN	UNKNOWN	UNKNOWN	BAS
FORON BLUE S-BGL	F24	012222-78-5	UNKNOWN	UNKNOWN	UNKNOWN	BAS
UVITEX ERN	F24	012224-12-3	UNKNOWN	UNKNOWN	UNKNOWN	UNK
PALANIL VIOLET 4 REL	F24	012236-27-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
ASTRAZON YELLOW 7GLL	F24	012270-31-4	UNKNOWN	UNKNOWN	UNKNOWN	BAS
FORON RUBINE SE-GLF	F24	012270-46-1	UNKNOWN	UNKNOWN	UNKNOWN	BAS
PAROLITE IZINC SULFOXYLATE FORMALDEHYDE?!	H05	024887-06-7	UNKNOWN	UNKNOWN	UNKNOWN	UNK
PRING BLACK ARN-P	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
INTRALAN BLACK BGL	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION -- INDUSTRIAL CHEMICAL SURVEY (ICS)  
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SUBSTANCES OF CONCERN USED	CODE	CAS NO.	AVG.ANNUAL USE AMOUNT	ON HAND	UNITS	USECODE
TELON PDR BLACK LD (MSRL)	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
TELON LD (MSRL) LIQ	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
ACID BLUE CYANINE G	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
ERIO BLUE GLAUINE	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
NYLOSAN BLUE NFL	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
ERIOSIN BLUE S5R	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
IRGALAN BLUE 7GS	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
IRGALAN BROWN C-BRLA	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
POLAR MAROON V	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
LANAPERL PINK R	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
SULPHO RHOD B	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
POLAR RED B	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
POLAR RED 3BN	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
MERPACYL RED G	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
POLYAMIDE RED B	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
IRGALAN RUBINE RL	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
POLAR VIOLET BL	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
NYLOMINE YELLOW B2G	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
NYLOMINE YELLOW C-2G	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
POLYAMIDE YELLOW R	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
EASTMAN BLACK OBL	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
AMACEL BLACK MPB	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
TERASIL BLACK PR	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
LATYL BLUE BGN	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
IRGALAN BLUE 2GL	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
PALANIL BLUE 3 RT	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
SEVRON BLUE 5 GH	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
BLUE GREEN ALFH	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
INTRACIL/TERASIL BROWN 3R PASTE CKC/CGY	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
LATYL CERISE XLN	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
SODYCRON NAVY CP PASTE	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
DISPERSOL NAVY D-2G	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
EASTMAN ORANGE 2R-GLF	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
AMACEL ORANGE 4R	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
POLYDYE ORANGE 5R	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
SODYCRON ORANGE Y PDR	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
TERACIL ORANGE R	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
SAMARON PINK 5BA	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
SODYCRON SCARLET 2R	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
CALLITON PINK FF 3BA	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
PALANIL PINK REL/NSH PDR	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
SAMARON RED H6-GE	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
LATYL RED KC	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
AMACEL RED RN/RH	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
SEVRON RED 3 BH	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
SEVRON RED 4GH/4G	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
AMACEL SCARLET BH	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
SAMARON VIOLET HFRL	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
TERACIL YELLOW GWN/PFL	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION -- INDUSTRIAL CHEMICAL SURVEY (ICS)  
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SUBSTANCES OF CONCERN USED	CODE	CAS NO.	AVG.ANNUAL USE	AMOUNT ON HAND	UNITS	USECODE
SEVRON YELLOW R/RH	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
SEVRON YELLOW 8 CMF	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
PALACET YELLOW 5 GG/5G	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
SAMARON YELLOW 6 GSL	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
FLAVINE YELLOW 8 GFF	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
RESOLIN BRILL RED BLS	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
LATYL ORANGE 3YFS	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
PALANIL YELLOW 6G	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
LATYL NAVY EFSN	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
FORON YELLOW BROWN S-2RFL	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
EASTMAN YELLOW 4-RLF	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
BLUE 3 GLST	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
PURE BLUE B	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
PALACET VIOLET B	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
RED 8 BLN	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
NYLON BLACK HKM	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
DURONYLON BLACK LVTRG	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
YELLOW RLSW	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
INTRASPERSE BLUE GLF	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
POLAR MAROON V	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
LATYL RED KC/FTS	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
POLYSERSE YELLOW 3G	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
DIRECT YELLOW 4GL	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
BROWN BCW	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
PONTAMINE HELIO FAST B	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
BLACK WDC	F24	F24000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	BAS
TRITON X-155	F99	F99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
CMC 12M31 !CELLULOSE DERIVATIVE?!	G99	G99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
LUDOX HS-30 !SILICA SOLUTION?!	H01	H01000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
DOWANOL EPH !GLYCOL MONOETHER?!	J99	J99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
AEROTEX RESIN 161	P99	P99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
ASTON 123 ! POLYAMIDE?!	P99	P99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
RESIN HCB	P99	P99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
CHEMLOID 1208	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
DYEPRINT 130	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
INDALCA N110-70	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
NEW DYNE KH/KS	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
POLYGUM 442	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
SAG-100	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
SOLVITOSE C-5	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
SYNGUM 2436 BASE	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
TACK GUM 4488 SIA	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
IMPROVER 800	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
IRGAFOMAL S2E	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
LEVALIN SP	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
LUPRINTAN ATP	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
LYOGEN VU	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
MERPRINT AP	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK
POLYROL NS	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION -- INDUSTRIAL CHEMICAL SURVEY (ICS)  
02/25/91

SUBSTANCES OF CONCERN USED	CODE	CAS NO.	AVG.ANNUAL USE	AMOUNT	ON HAND	UNITS	USECODE
ANCOVEL T	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
CHROMASIST R-2	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
CODE 141	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
CRESTOPON ESR	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
ERIONAL AR LIQ.	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
MERPOL HCS	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
MESITOL PS	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
MILLSOFT C-34	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
PLEXENE SPEC.	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
REACTOSOFT E-39	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
#50	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
EMERSOFT 7720	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
TANAPON NF	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
TSI #78	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
REACTOBRIGHT AAN	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
TANALID FHS	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
HOSTALAU EBU	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
S-111 STRIPPER	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
RHOPLEX TR-520	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
TANAPEL NC	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
STRODEX V-8	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
MERSE RID	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
CLAVANOL JD/50	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
HERRISCOUR NFL	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
MIGRASSIST NJD	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
TANDEL OA	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
HERRITON LPW	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
DEXENE LBR-15	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
TANOLON JET	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
DIASSIST LN	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
DEPCOSCOUR MI	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
DEPCO LEVEL JDS	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
DEXTRAPERSE BN 126	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
IRGALEV PBF	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
TANADYE CF	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
CAROLID LIQ./FLAKES	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
TANDEL IM	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
NO FOAM JM	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
TANADYE MB	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
MERSE 7F	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
VIRCOOVE JD61	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
SANDOFIX WE LIQUID	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	
TANAPON NF	T99	T99000-00-0	UNKNOWN	UNKNOWN	UNKNOWN	UNK	





*Majestic Weaving Co., Inc.**2 Mill Street**Cornwall, New York 12518*77354NAME OF DYE:NAME OF MANUFACTURER:

Pring Black ARN-P	CGY
Intralan Black BGL	CKC
Telon PDR. Black LD (MSRL)	V
Telon LD (MSRL) LIQ	V
Cycolan Black WAL	
Acid Blue Cyanine G	
Erio Blue Glauine	CGY
Nylosan Blue NFL	S
Eriosin Blue S5R	CGY
Irgalan Blue 7GS	CGY
Irgalan Brown C-BRLA	CGY
Polar Maroon V	CGY
Polar Orange R	CGY
Lanaperl Pink R	AM
Sulpho Rhod B	
Polar Red B	CGY
Polar Red RS	CGY
Polar Red 3EN	CGY
Polar Red G	CGY
Merpacyl Red G	DUP
Polyamide Red B	
Irgalan Rubine FL	CGY
Polar Violet EL	CGY
Nylomine Yellow E2G	ICI
Nylomine Yellow C-2G	ICI
Polar Yellow 5G	CGY
Polyamide Yellow R	
Eastman Black OBL	FK
Amacel Black IPR	AC



*Majestic Weaving Co., Inc.**2 Mill Street**Cornwall, New York 12518*77354

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<u>NAME OF DYE:</u>	<u>NAME OF MANUFACTURER:</u>
Terasil Black PR	CGY
Latyl Blue PCN	DUP
Resolon Blue FEL	V
Setacyl Turq. Blue G	
Foron Blue S- DGL	S
Irgalan Blue 2 GL	CGY
Palanil Blue 3 RT	BAS
Sevron Blue 5 GH	DUP
Blue Green ALFH	
Intrasil/Terasil Brown 3R Paste	CKC/CGY
Latyl Cerise YLN	DUP
Sodyecron Navy CP Paste	SOD
Dispersol Navy D-2G	ICI
Eastman Orange 2R-GLF	EK
Amacel Orange 4R	AC
Polydye Orange 5 R	
Sodyecron Orange Y PDR.	SOD
Terasil Orange R	CGY
Samaron Pink 5EA	AH
Sodyecron Scarlet 2R	SOD
Calliton Pink FT 3 RA	
Palanil Pink DEL/MSH Pdr.	BAS
Samaron Red H6 - GF	AH
Latyl Red KC	DUP
Amacel Red FN/FH	AC
Sevron Red 3 FH	DUP
Sevron Red 4 GH/4G	DUP
Amacel Scarlet FH	AC
Foron Rubine SE-GLF	S
Samaron Violet HFRL	AH

*Majestic Weaving Co., Inc.**2 Mill Street**Cornwall, New York 12518*77354

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NAME OF DYE:

Palanil Violet 4 RFL  
Tersil Yellow GWN/PFL  
Sevron Yellow R/BN  
Sevron Yellow S GHT  
Palacet Yellow 5 CG/5G  
Samaron Yellow 6 GSL  
Flavine Yellow 8 Gff  
Resolin Brill Red BLS  
Latyl Orange 3YFS  
Palanil Yellow 6G  
Latyl Navy EFSH  
Foron Yellow Brown S-2RFL

NAME OF MANUFACTURER:

BAS  
CGY  
DUP  
DUP  
BAS  
AH  
V  
DUP  
BAS  
DUP  
S

NAME OF CHEMICAL:

Carbopols  
Chemloid 1208  
CMC 12M31  
Dyeprint 130  
Indalca N110-70  
Kelgin XL  
Manutex RS  
New Dyne KH/KS  
Polygum 442  
Sag - 100  
Solvitose C-5  
Syngum 2436 Base  
Tack Gum 4488 S1A  
Dowanol EPH  
Improver 800  
Irgafomal S2E  
Levalin SP

NAME OF MANUFACTURER:

BFG  
C  
H  
DC  
H  
K  
ICI  
PJ  
VC  
KSH  
SH  
SH  
DOW  
CGY  
V

*Majestic Weaving Co., Inc.**2 Mill Street**Cornwall, New York 12518*77354

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NAME OF CHEMICAL:

Luprintan ATP  
Lyogen VU  
Merprint AP  
Polyrol NS  
Methyl Cellulosolbe  
Ahcovel T  
Chromasist R-2  
Code 141  
Crestopon ESR  
Erional AR Liq.  
Tamol L  
Merpol HCS  
Mesitol PS  
Millsoft C-34  
Plexene Spec.  
Reactosoft E-39  
Triton X-100  
Triton X-114  
Triton X-155  
# 50  
  
Aerotex Resin 161  
Arton 123  
Emersoft 7720  
Resin HCB  
Ludox HS-30  
Tanapon NF  
TSI # 78  
Reactobright AAN  
Uvitex ERN  
Tanalid FHS

NAME OF MANUFACTURER:

RAS  
S  
DUP  
  
ICI  
DS  
RL (Ethylene Oxide Condensate)  
RL (Modified Sodium Laurel Sulfate)  
CGY  
RH  
DUP  
V  
ICI  
  
RL (Quarternary amm. compound)  
RH  
RH  
RH  
RL (blend of dodecyl benzene sulfonic acid  
& alkyl aryl sulfonate)  
A  
RO  
EM  
  
DUP  
TAN  
RL (  
RL (optical brightener)  
CGY  
TAN

*Majestic Weaving Co., Inc.*

*2 Mill Street*

*Cornwall, New York 12518*

77354

Page (5)

NAME OF CHEMICAL:

NAME OF MANUFACTURER:

Hostalauz EBU

AH

Arlacel C

ICI

Giv-Gard D X N

GC

S-111 Stripper

MS

Rhoplex TR-520

RH

*Majestic Weaving Co., Inc.**2 Mill Street**Cornwall, New York 12518*77354

(Page 6)

NAME OF DYE:

Eastman Yello 4 RLF  
Blue 3 GLST  
Pure Blue B  
Polacet Violet B  
Red 8 PLN  
Nylon Black HKM  
Duronylon Black LVTRG  
Yellow ELSW  
Intrasperse Blue GLF  
Polar Maroon V  
Latyl Red KC/ETS  
Polysperse Yellow 3G  
Direct Yellow 4GL  
Brown PCW  
Pontamine Helio Fast B  
Black WDC  
Astrazon Yellow 7GLL  
Astrazon Blue BG

NAME OF MANUFACTURER:

EK  
CKC  
ACC  
AD  
S  
CKC  
AD  
CKC  
CGY  
DUP  
AD  
DUP  
AD  
V  
V

NAME OF CHEMICAL:

Tanapel NC  
Strodex V-8  
Herse RID  
Clavanol JD/50  
Herriscour NFL  
Parolite  
Nigrassist FJD  
Tandel OA  
Herriton LPW  
Dexene LBR-15  
Tanalon JET  
Diassist LN

NAME OF MANUFACTURER:

TAN  
DEX  
TAN  
DEX  
RCC  
R  
TAN  
TAN  
RCC  
DEX  
TAN  
CH

*Majestic Weaving Co., Inc.*  
*2 Mill Street*  
*Cornwall, New York 12518*

77354

(Page 7)

NAME OF CHEMICAL:NAME OF MANUFACTURER:

Depcoscour M I	DEP
Depco Level JDS	DEP
Dextraperse BN 126	DEX
Irgalev PBF	CGY
Tanadye CF	TAN
Carolid Liq. /flakes	TAN
Tandel I M	TAN
No Foam JM	CH
Tanadye MB	TAN
Merse 7F	TAN
Vircodve JD61	VCC
Sandofix WE Liq.	S
Tanapon NF	TAN

INDEX FOR COMPANY NAMES:

ACC	Allied Chemical
AC	American Color
A	American Cynamid
AM	American Hoechst
AD	Atlantic Dyestuff
BASF	BASF
C	Chemloid
CGY	Ciba-Geigy
CH	Chem -Mark
CYC	Crompton & Knowles
DEP	DePaul Chemical
DS	Diamond Shamrock
DOW	Dow Chemical
DUP	Dupont
DC	Dycol Chemical
EK	Eastman
EM	Emery Ind.

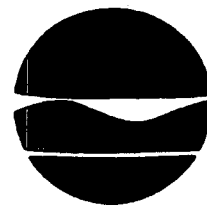
*Majestic Weaving Co., Inc.**2 Mill Street**Cornwall, New York 12518*77354

(Page 8)

INDEX FOR COMPANY NAMES Cont'd...

GC	Givandom Corp.
GTG	G.T. Goodrich
H	Hercules
ICI	ICI
K	Kelco
KSH	KSH Chemical
MS	Miller Stephenson
MON	Monanto
PI	Polymer Industries
PL	Reactor Laboratories
RO	Refined Onyx
RH	Rohn & Haas
R	Royce Chemical
S	Sandoz
SOD	Sodyeco
S	Stein Hall
VC	Tanater Union Carbide
V	Verona
VCC	Virkler Chemical

New York State Department of Environmental Conservation  
Region 3  
21 South Putt Corners Road  
New Paltz, NY 12561-1696  
914-255-5453



February 25, 1991

Thomas C. Jorling  
Commissioner

**RECEIVED**  
URS CONSULTANTS

**FEB 28 1991**

JOB # \_\_\_\_\_

PHYLLIS RETTKE  
URS CONSULTANTS INC  
570 DELAWARE AVE  
BUFFALO NY 14202-1207

Dear Ms. Rettke:

Enclosed are copies of DEC Freshwater Wetlands Maps showing the locations of state regulated wetlands within one mile of the sites you had indicated in your February 20, 1991 letter.

If you have any questions, please feel free to contact us.

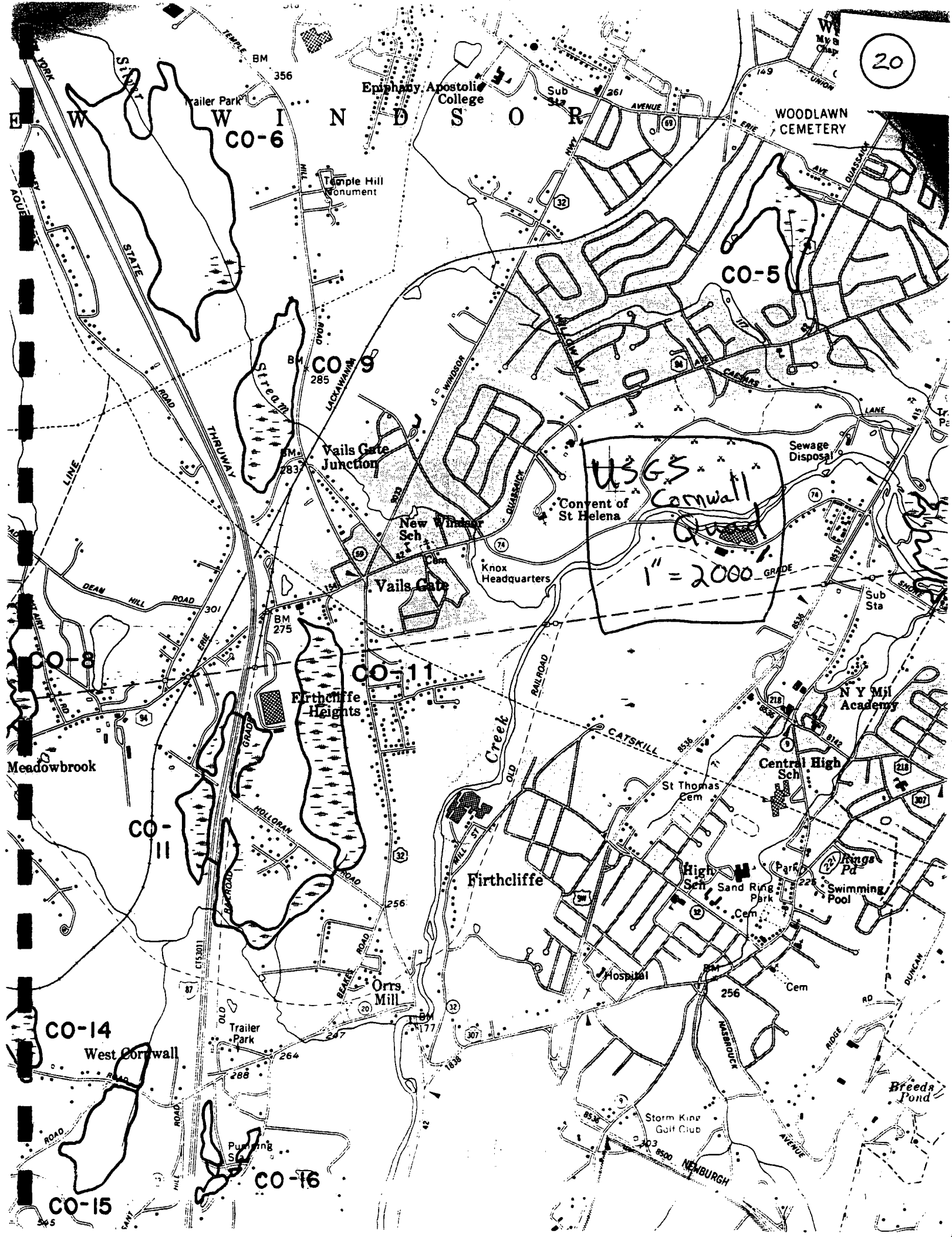
Sincerely,

James A. Beemer  
Fish & Wildlife Technician  
Region 3

JAB:sc

Enclosure





JACOBOWITZ AND GUBITS

COUNSELORS AT LAW

158 ORANGE AVENUE

POST OFFICE BOX 367

WALDEN, NEW YORK 12586-0367

914-778-2121

914-427-2101

FAX: 914-778-5173

GERALD N. JACOBOWITZ  
DAVID B. GUBITS  
JOHN H. THOMAS, JR.  
GERALD A. LENNON  
PETER R. ERIKSEN  
LINDA F. MADOFF  
HOWARD PROTTER  
RONALD J. COHEN  
DONALD G. NICHOL

LARRY WOLINSKY\*  
J. BENJAMIN GAILEY  
MARK A. KROHN\*\*  
ANTHONY G. AUSTRIA, JR.  
JO ANN VISLOCKY\*  
JOHN C. CAPPELLO\*\*\*  
GEORGE W. LITHCO\*\*\*\*

\*ALSO ADMITTED IN N.J.  
\*\*ALSO ADMITTED IN FLA.  
\*\*\*ALSO ADMITTED IN CA.  
\*\*\*\*ALSO ADMITTED IN CT.

December 5, 1989

DEC 6 1989

NYSDEC/DHWR  
50 Wolf Road  
Albany, New York 12233

Attention: Martin Brand, P.E.

RE: Moodna Creek Development, Ltd. (Site #3-36-028)  
Our File #62218-01

Dear Mr. Brand:

As per our conversation of yesterday, enclosed please find:

- A. E.P. Toxicity - Metals data for the lagoon sludges within DEC/EPA E.P. Toxicity limits.
- B. Analysis of lagoon supernatant within limits for discharge to New Windsor S.T.P.
- C. Groundwater analysis for monitoring wells within 6 NYCRR §703.6 limits and a map of monitoring well locations.
- D. Application and Permit to construct a sand filtration system for sanitary purposes only. (These old sand filtration beds are probably what appeared as the "2 old lagoons" on EPA aerial photography).

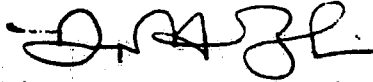
We are presently putting together a delisting/reclassification petition which will include the enclosed data with full QA/QC. We are also currently soliciting bids for the analysis, transfer and proper disposal of all on-site drums. As I stated yesterday, we are in no way unwilling to undertake the Phase II ourselves and we have a work plan, prepared by ERM-Northeast addressing every Region 3 area of concern. This work plan was sent to Ms. Alice McCarthy by Michael Cody of ERM-Northeast on August 5, 1988. As of yet, we have received no response to that work plan.

We are grateful for your reassurance that you will hold up any state funded investigation at least until after our petition has been reviewed.

Martin Brand  
September 5, 1989  
Page 2

If you have any questions or advice, please do not hesitate to contact myself or Larry Wolinsky of this office. We thank you for your cooperation in this matter.

Very truly yours,

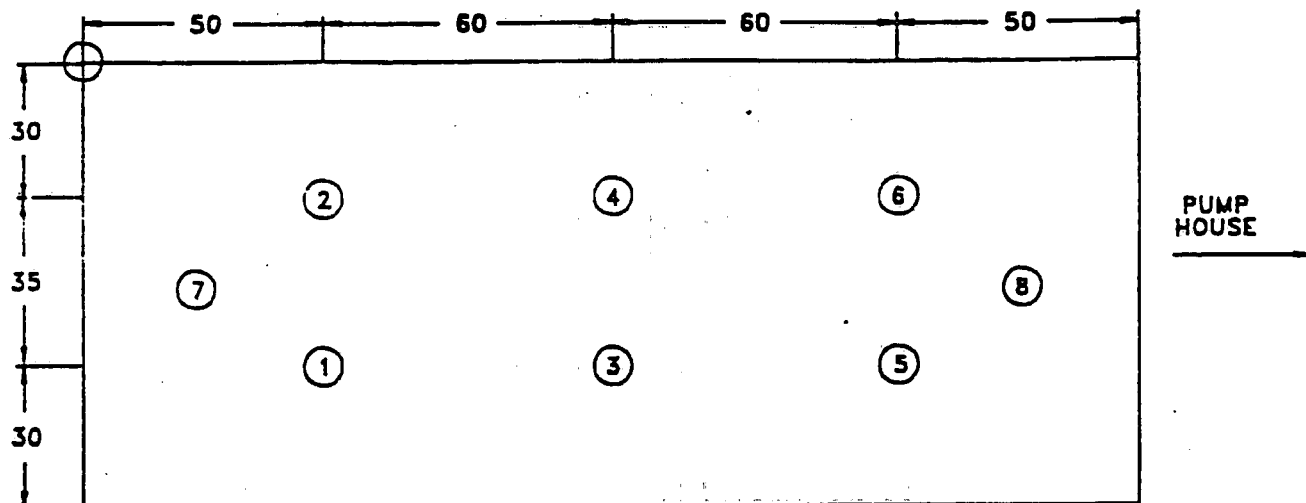


Douglas H. Zamelis

HZ:mmf  
HZ-011.TXT  
Enclosures

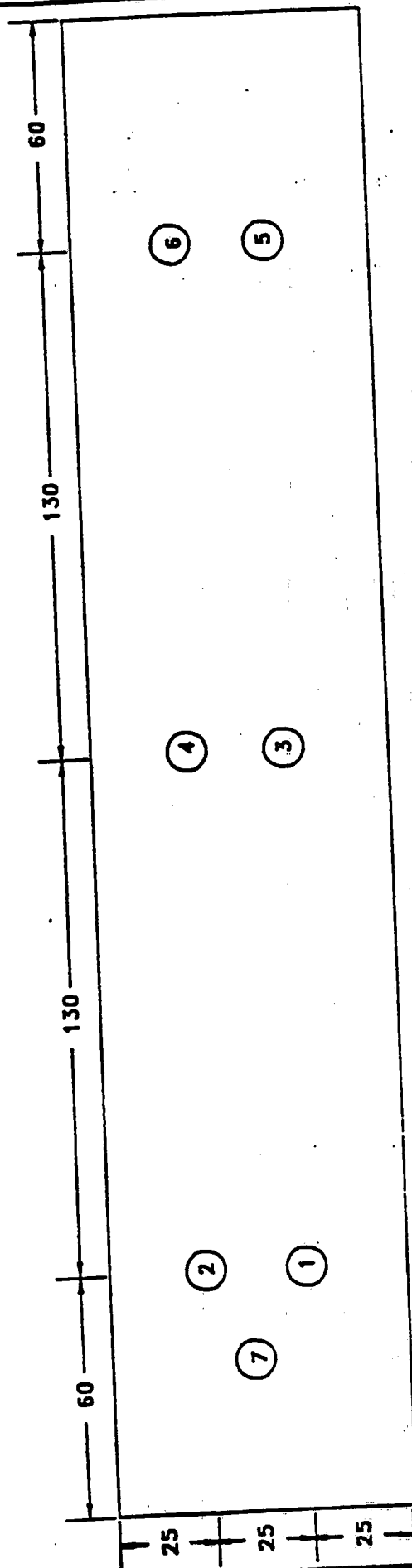
.S. At this point Larry Wolinsky is still the attorney handling this matter for Moodna Creek Development, Ltd. I am merely acting as technical coordinator.

ERM — NORTHEAST  
5128-00  
LAGOON #1



LOCATION	TOTAL DEPTH	WATER DEPTH	SLUDGE DEPTH
1	8.0	7.5	0.5
2	8.0	8.0	0.0
3	8.0	8.0	0.0
4	7.5	7.5	0.0
5	8.0	8.0	0.0
6	8.0	5.5	2.5
7	8.0	7.5	0.5
8	8.0	7.5	0.5

ERM - NORTHEAST  
5128-00  
LAGOON #2



LOCATION	TOTAL DEPTH	WATER DEPTH	SLUDGE DEPTH
1	4.5	3.0	1.5
2	4.5	3.5	1.0
3	4.5	2.0	2.5
4	4.5	2.0	2.5
5	5.0	1.5	3.5
6	5.0	1.5	3.5
7	4.5	3.0	1.5

**REPORT TRANSMITTAL**

REPORT NUMBER 30880-1114  
DATE August 10, 1988

**CLIENT**

ERM/Northeast  
375 Bridgeport Avenue  
Shelton, CT 06484

ATTENTION Mr. Mike Cody

The above referenced report is enclosed. Copies of this report and supporting data will be retained in our files in the event they are required for future reference.

If there are any questions concerning this report, please do not hesitate to contact us.

Any samples submitted to our Laboratory will be retained for a maximum of sixty (60) days from receipt of this report, unless other arrangements are desired.

Very Truly Yours,

*Robert Q. Bradley/ms*

ROBERT Q. BRADLEY  
Vice President/Principal

TABLE 1.0  
30880-1114  
ERM/NORTHEAST  
METALS RESULTS

All values are mg/L.

<u>Parameter</u>	<u>Lagoon #1</u> <u>ERM</u>	<u>Lagoon #2</u>
Arsenic	<1.0	<1.0
Barium	0.3	1.3
Cadmium	<0.01	<0.01
Chromium	<0.01	0.01
Lead	<0.200	<0.200
Mercury	0.0046	<0.002
Selenium	<0.500	<0.500
Silver	<0.01	<0.01

August 10, 1988

30880-1114  
ERM/NORTHEAST  
375 Bridgeport Avenue  
Shelton, Connecticut 06484

Attention: Mr. Mike Cody

PURPOSE

Two (2) sludge samples were submitted to York Laboratories Division of YWC, Inc. by ERM/Northeast for analysis. The client requested the samples be analyzed for E.P. toxicity characterization - metals only.

METHODOLOGY

Samples were prepared and analyzed according to Test Methods for Evaluating Solid Wastes, SW846, 2nd Edition.

RESULTS

The results are presented in Table 1.0.

Prepared by: 

Jeffrey C. Curran  
Laboratory Manager

JCC/md

The liability of YWC, Inc. is limited to the actual dollar value of this project.



W. M. MARKS, P.E., R.A.S.C.E.

12751  
SLOAN PLACE, LIBERTY, N. Y.

Professional Engineer and Land Surveyor in New York - No. 19379  
Registered Professional Engineer in Pennsylvania - No. 6344E

W. HUNTER MARKS, D.C.E., M.S.

RECEIVED

RECEIVED  
N.Y.S. DEPT. OF HEALTH  
MIDDLESEX DISTRICT  
TELEPHONE  
AREA 911  
670

February 24, 1968  
Re: Majestic Weaving, Inc.  
Town of Cornwall

New York State Department of Health  
34 South Street  
Middletown, New York

Dear Sirs:

The enclosed plan and data sheet provide for the complete treatment of the Sanitary Wastes from the plant of Majestic Weaving, Inc. located on Moodna Creek in the Town of Cornwall.

Industrial wastes will be treated separately, as outlined in another report.

The present sewerage of the Sanitary wastes consists of collecting sewers within the plant, a long sewer line along Moodna Creek, a settling tank, and discharge into Moodna Creek 1,330 ft. below the main building.

It is now proposed to collect the sanitary wastes into a new septic tank just below the main building. A septic tank and pump chamber will be provided to pump effluent into a dosing tank which will discharge into open intermittent sand filters and then chlorinated before discharge into Moodna Creek.

Flow tests have been made of the sanitary wastes, and discharges as high as 14,400 Gal/Day have been recorded. It was then discovered that there were at least 60 fixtures in the plant (which originally had many more employees). Most of these fixtures were leaking. An effort is being made to tighten up connections and to close off unnecessary fixtures. It is expected that in the immediate future the leakage will be reduced to about 7,000 Gal/Day.

Based on observations and Bulletin #1, Part II, a flow of 15 gal/cap/shift can be expected, making a total of 3,000 Gal. of use per day. Due to this high dilution factor, B.O.D. tests made of the sanitary wastes were low enough to be meaningless for design.

The new septic tank will be 5,200 gallon capacity so that it will have a 12 hour detention period with the 10,000 Gal/Day combined leakage and use flow.

The pump chamber and pump have ample capacity to handle the maximum flows ex-

NEY M. MARKS, P.E., F.A.S.C.E.  
WINSLOW PLACE, LIBERTY, N. Y. 12751

Registered Professional Engineer and Land Surveyor in New York - No. 19379  
Registered Professional Engineer in Pennsylvania - No. 6314E

DAVID HUNTER MARKS, D.C.E., M.S.

TELEPHONE  
(Area Code 014)  
202-5670

## PAGE 2 - MAJESTIC WEAVING

pected from the septic tank:  $100 \times 15 = 1500 \text{ Gal/8 Hrs.}$

$$\frac{1500}{480} = 3.17 \text{ G P M}$$

Pump rate is 50 G P M, or a factor of  $\frac{50}{3.17} = 15+$

The dosing tank is designed to flood the sand beds to a depth of:

$$\frac{14.5' \times 14.5' \times 1.92}{1600} = 0.25' = 3"$$

The sand beds have been designed for septic tank effluent at the rate of 1 Gal/ ✓  
Sq.Ft./Day (Bulletin #1, Part I, Par. 73.12) based on the use portion of the flow,  
namely 3,000 Gal/Day; 2 beds, each  $40' \times 40' \times 1 \text{ Gal/Sq. Ft.} = 3,200 \text{ Sq. Ft.}$

The attached data sheet defines the loading in terms of B.O.D., S.S., and ppm.  
A loading of 136 lbs. of B.O.D./Day is reasonable for intermittent sand filters.  
Since this type of filter can be loaded as high as 10 Gal/Sq. Ft./Day with trickling  
filter effluent (Bulletin #1, Part I, Par. 73.13) the extra hydraulic load of 7,000  
Gal/Day of leakage should not overload the sand beds. The Dosing tank will dis-  
charge:  $14.5 \times 14.5 \times 1.92 \times 7.5$ , or 3,000 gal. of effluent through the sand fil-  
ters in about 30 minutes, or 100 G P M.

The chlorine contact tank has a capacity of  $5' \times 12' \times 5' \times 7.5$  or 2,250 gallons,  
giving a detention period of over 20 minutes. Chlorine will be applied at a rate  
of 6 ppm (mg/l).

$$\text{Pounds/Day} = \frac{8.34 \times 3,000}{1,000,000} \times 6 = 15 \text{ lbs.}$$

A Gas Chlorinator is being provided.

Respectfully Submitted,

*Sidney M. Marks*  
Sidney M. Marks, C.E., P.E.

SMM:jbm  
Encls.

RECEIVED

MAY 23 1968

N.Y.S. DEPT. OF HEALTH  
MIDDLESEX DISTRICT

May 17, 1968

Plant Manager  
Majestic Weaving Co., Inc.  
2 Mill Street  
Cornwall, New York 12518

Gentlemen:

Re: Sanitary Waste Treatment Facilities  
Majestic Weaving Co., Inc.  
Cornwall (T), Orange County

Transmittal

The construction permit for this project, dated May 17, 1968, is attached.

One approved copy of the design report and plans is being forwarded to your Engineer.

Permit

This permit carries qualifying conditions:

1. Permit filing
2. Revocability and modification
3. Construction conformance
4. Start of operation
5. Construction supervision
6. Construction certification
7. Construction time limitations
8. Sand Filters

RECEIVED

MAY 21 1968

N.Y.S. DEPT. OF HEALTH  
MIDDLETOWN DISTRICTObjectives

The plant shall be constructed in accordance with the approved report, plans and specifications and shall not be placed in operation until an operating permit has been issued.

Assistance

Information can be obtained from the Middletown District Office, 34 South Street, Middletown 10940 regarding construction certification.

May 17, 1968

27

ant Manager

Facilities Approved

Approved plans call for the installation of one 5,200 gallon septic tank, one 14.5' square x 4' dosing tank, two 40' x 40' sand filters and one 2,500 gallons chlorine contact tank. This treatment is designed for the flow of 10,000 gpd.

Very truly yours,

Warren Schlickerrieder, P. E.  
Chief, Sewage Facility Section  
Bureau of Engineering Design

Attachment:  
Permit

cc: Middletown District Office  
White Plains Regional Office  
Sidney M. Marks, P. E.

New York State Department of Health  
APPLICATION  
for Permit to Operate a Waste Treatment Facility  
and to Discharge Wastes to the Waters of New York State

RECEIVED  
JUN 13 1969

1. Name of Applicant: Majestic Weaving Co.,	2. Location of Facility (C,V,T): Town of Cornwall	3. County: Orange	4. Entity or Service Area: SARATOGA COUNTY DEPARTMENT OF HEALTH Wastewater Treatment Plant
--	--	----------------------	---

5. Nature of Facility:  
New Facility

6. Outfall System:  
☒ New  
☐ Additions or Alterations

7. Other (specify):  
☐ New  
☐ Additions or Alterations

8. Nature of Waste:  
☒ Sewage  
☐ Industrial  
Specify: \_\_\_\_\_  
☐ Other  
Specify: \_\_\_\_\_

9. Daily Flow (MGD): Present 8,000 Design 10,000

10. Point of Discharge:  
Location (C,V,T): T. Cornwall  
Major Drainage Basin: Hudson River  
Name of Receiving Water: Moodna Creek  
Name of Receiving Water: \_\_\_\_\_  
Name of Receiving Water: \_\_\_\_\_  
Name of Receiving Water: Moodna Creek which Ground Water is Tributary:

11. If Construction Issued, Complete the Following:

12. Date of Approval on Permit to Construct: May 17, 1968

13. Date Construction Completed: (Chlorinator installed & May 15, 1969 (operating June 6, 1969)

14. Construction Supervision Engineer: Sidney M. Marks, PE  
Address: 61 Winslow Place, Liberty, N.Y.  
Phone No.: (914) 292-5670 P. E. License No.: 19379, NY

15. Waste Treatment Plant Supervisor: Joseph Russo  
Address: Majestic Weaving, Cornwall, N.Y.  
Phone No.: 534-2591 Operator Certificate No.: \_\_\_\_\_ Operator Grade: \_\_\_\_\_

16. If Application is signed by other than the applicant shown in Item 1, the application must be accompanied by a letter of authorization.

Signature and Official Title: Robert H. Hines, Manager

Mailing Address: Majestic Weaving, Cornwall, NY

Date of Application: June 15, 1969

NEW YORK STATE DEPARTMENT OF HEALTH

PERMIT TO CONSTRUCT A WASTE DISPOSAL SYSTEM

27

Issued under the provisions of Article 12 of the Public Health Law and 10 NYCRR 73.

1. Permittee: <b>Weaving Co., Inc.</b>	2. Location of Works (C.V.T.): <b>Town of Cornwall</b>	3. County: <b>Orange</b>	4. Entity or Area Served: <b>Sanitary waste from Majestic Weaving Co., Inc.</b>
---	---	-----------------------------	--

g construction of the approved works, the permittee accepts and agrees to abide by and conform with the following:

- AT the construction permit shall be maintained on file by the permittee.
- AT the permit is revocable or subject to modification or change pursuant to Article 12 of the Public Health Law.
- AT the facilities shall be fully constructed and completed in compliance with the engineering report, plans and specifications as approved.
- AT the facilities shall not be placed in operation until construction has been completed and an operation permit has been issued, or unless ordered to be operated by the Commissioner or by a Court.
- AT the construction of the facilities shall be under the supervision of a person or firm qualified to practice professional engineering in the State of New York under the Education Law of the State of New York, whenever engineering services are required by such law for such purposes.

AT where such facilities are under the supervision of a professional engineer, he shall certify to the Department that the permittee that the constructed facilities have been under his supervision and that the works have been completed in accordance with the approved engineering reports, plans, specifications and permit.

AT the construction of the facilities shall commence by July 1, 1968  
 fully completed by October 1, 1968

AT before construction is commenced, a representative sample of sand which is to be used in the sand filter shall be submitted to and receive the approval of the Department of Health.

RECEIVED

MAY 23 1968

N.Y.S. DEPT. OF HEALTH  
 MIDDLETOWN DISTRICT

ISSUED FOR THE STATE COMMISSIONER OF HEALTH | DATE

Warren Schlickewede 5/17/68  
 Designated Representative

Chief, Sewage Facility Section

Distribution: White - Applicant  
 Pink - Central Office (BED)  
 Yellow - File (LHO or DHO)  
 Green - Other

Description:

Type of Ownership:

☒ Municipal ☐ Commercial ☐ 58 Private-Other ☐ 1 Authority ☐ 30 Interstate  
☐ Industrial ☐ 6 Sewage Works Corp. ☐ Private-Institutional ☐ 19 Federal ☐ 40 International  
☐ 67 Private-Home ☐ 25 Board of Education ☐ 20 State ☐ 18 Indian Reservation

Nature of Construction:

Collection

☐ 1 New  
☐ 2 Additions or Alterations

Treatment and/or Disposal

☒ 1 New  
☐ 2 Additions or Alterations

Estimated Cost of Construction:

Collection System \_\_\_\_\_ Treatment and/or Disposal **\$10,000**

Type of Waste:

☒ 1 Sewage

☐ Industrial

☐ Other

Specify \_\_\_\_\_

Specify \_\_\_\_\_

Kind of Treatment:

☐ 1 None

☐ 3 Primary

☐ 5 Secondary

☐ 7 Complete

☐ 2 Septic Tank

☐ 4 Intermediate

☒ 6 Tertiary

☐ 8 Not Applicable

Point of Discharge:

Location (C,V,T) \_\_\_\_\_

**Town of Cornwall**

Major Drainage

Basin \_\_\_\_\_

**Moodna Creek**

Surface Water Class **C**

Surface Water: Name of Watercourse \_\_\_\_\_

Surface Water Class \_\_\_\_\_

Ground Water: Name of Watercourse to which ground

water is tributary \_\_\_\_\_

Ground Water Class \_\_\_\_\_

Name of Receiving Treatment Works:

**Artistic Weaving Co., Inc.**

12. Grade of Plant Operator Required:

**No Grade Required**

13. Disinfection Required:

☐ 1 Continuous

☐ 2 Seasonal

☒ 3 None

Design Flow (Gals./day):

**10,000**

15. Design Equivalent Population (BOD Basis):

**100**

16. Design Plant Efficiency (% BOD Removal):

**97%**

Description of works, such as number, name and capacity of units:

**one 5,200 gallons septic tank;**

**one 14.5' x 14.5' x 4' dosing tank;**

**two 40' x 40' sand filters; and**

**one 2,500 gallons chlorine contact tank.**

New York State Department of Health  
PERMIT  
to Operate a Waste Treatment Facility and to  
Discharge Wastes to the Waters of New York State

1. Name of Facility: <b>Textile Weaving Co., Inc.</b>	2. Location of Facility (C,V,T): <b>Cornwall</b>	3. County: <b>Orange</b>	4. Entity or Service Area: <b>Sanitary Waste Only from Plants</b>
--	---	-----------------------------	--

Waste: <input checked="" type="checkbox"/> Sewage <input type="checkbox"/> Industrial <input type="checkbox"/> Other Specify _____	7. Grade of Operator Required: <b>None</b>
Facility: <b>Sand Filter</b>	Major Drainage Basin <b>Lower Hudson</b>
Discharge: Location (C,V,T): <b>T. Cornwall</b>	Name of Receiving Water <b>Hoodna Creek</b>
Surface water: Class <b>D</b>	Name of Receiving Water to which Ground Water is Tributary _____
Ground water: Class _____	

This permit is issued under the provisions of Article 12 of the Public Health Law and Part 73 of the Administrative Rules and Regulations concerning Title 10 of the Official Compilation of Codes, Rules and Regulations of the State of New York (10 NYCRR 73) and is subject to the provisions specified in 10 NYCRR 73 and the following conditions:

THAT chlorine shall be continuously applied to the sewage at a point indicated on the approved plans and at a rate sufficient at all time to maintain a minimum chlorine residual of one-tenth milligrams per liter after 15 minutes of contact time.

THAT reports of the daily operation of the treatment works including laboratory tests results shall be submitted monthly to the Department of Health on the enclosed forms or forms satisfactory to the Department of Health.

FOR THE NEW YORK STATE COMMISSIONER OF HEALTH

Designated Representative <b>J. Schleifer, P. E., Asst. Commissioner</b>	Date <b>July 3, 1969</b>	Expires <b>July 3, 1974</b>
White - Applicant	Yellow - <b>File</b> (LHO or DHO)	
Pink - Central Office (BWWUM)	Green - Other	



28  
February 4, 1986

Consolidated Technology  
50 So. Buckhout Street  
Irvington, New York 10533

Attention: Mr. John P. McGuire, P.E.  
Mr. Donald Brenner, P.E.

Re: Majestic Weaving

Gentlemen:

This letter will serve to confirm a review that was made on January 18, 1986 of the circumstances surrounding the completion of the EPA RCRA form for my previous employer Majestic Weaving, Cornwall, New York.

Specifically, the information presented regarding the chemicals identified on item V came from purchasing department files of raw products bought annually to be used in the process of preparing, dyeing and printing various types of cloths. An unknown percentage of these chemicals eventually was washed from the cloth and equipment, mixed with the domestic sewage from the plant personnel, pretreated to required effluent limits in the Majestic Weaving Activated Sludge facility and ultimately discharged to the Town of New Windsor POTW.

It is noted that an additional three zeros appears to have been added by someone else to the estimated quantities given. Based on my experience and memory, the plant could not have used these modified amounts which are 1000 times higher than normal.

I trust this information answers your questions regarding the origination of this RCRA application form.

Very truly yours

*Abraham Schneider*  
Abraham Schneider  
Former Technical Director,  
Majestic Weaving



# Interim Dewatering Services Inc.

## Mobile Hazardous Waste And Sludge Dewatering Services

April 13, 1989

ERM Northeast  
75 Bridgeport Avenue  
Shelton, CT 06484  
Attn: Mr. Michael Cody

Re: Sludge Lagoon Sampling  
New Windsor, New York

Dear Mr. Cody:

This letter report is to confirm the verbal information you received regarding the sludge lagoon sampling work conducted by IDS at two sludge lagoons located in New Windsor, New York.

### General Observation

The two lagoons were used as part of a treatment process for a textile mill. Both lagoons were showing severe signs of vegetation overgrowth and damage to the liners. The lagoons also contain aeration header systems used as part of the treatment process. In several locations, airpockets underneath the liner were also present, which may make it very difficult to estimate the amount of sludge actually contained within the lagoons.

IDS utilized its state-of-the-art extendable boom pumping truck to probe each lagoon to determine overall water depth, depth of sludge, and the water and sludge interface. The findings of this pumping effort are summarized in Figures 1 and 2 for each lagoon. Lagoon 1, represented in Figure 1, shows an overall water and sludge depth of approximately 8 feet, while actual sludge depths range from 0 to a maximum of 2.5 feet with materials settling more towards the corners of the lagoon. In Lagoon 2, represented in Figure 2, shows an overall water and sludge depth of 5 feet with sludge ranging from 1.0 to 3.5 feet of sludge.

Composite samples were taken during the pump test of each lagoon. The sample for Lagoon 1 tested at .3% total solids, while Lagoon 2 tested at 8% solids. This would seem to coincide logically with the amount in depths of sludge indicated to be

present in each lagoon. The samples were then tested to determine their dewaterability utilizing both the belt filter press and a recessed chamber press bench top test unit. The sludge samples exhibited the typical characteristics of an old activated sludge, which is typically very difficult to dewater to high cake solids. The actual bench testing was performed on Lagoon 2 as the percent solids were higher and more typical of feed solids to a dewatering system. Lagoon 1 would require prethickening of the sludge prior to dewatering to accomplish a cake solids of mid-20%.

The belt filter press testing utilizing polymer and polymer with ferric chloride as conditioning agents yielded a cake solids of 24%. Filtrate quality was good, cake release was good, and cake quality was somewhat soft, which is not untypical of this type of biological sludge. Testing was also conducted utilizing our bench top recessed chamber press and various conditioning agents. Conditioning agents used included: precoat of filter cloths, and lime with ferric chloride as conditioning chemicals. Percent solids yield was somewhat better than the belt filter press yielding a cake solids ranging from 25-30% total solids.

IDS was also requested to have EP toxicity metals test performed on the samples. The tests were performed through our sister division, York Laboratories, and their official report transmittal is attached as part of this report.

In conclusion, it was found that the material is easily pumped and should not be problem to remove from the lagoons. Secondly, the material is dewaterable utilizing either the belt filter press or the recessed chamber press units. Actual selection should be based on disposal requirements, transportation costs, and to a lesser degree, equipment availability.

If you should have any questions concerning the enclosed, please do not hesitate to contact me at our Monroe office.

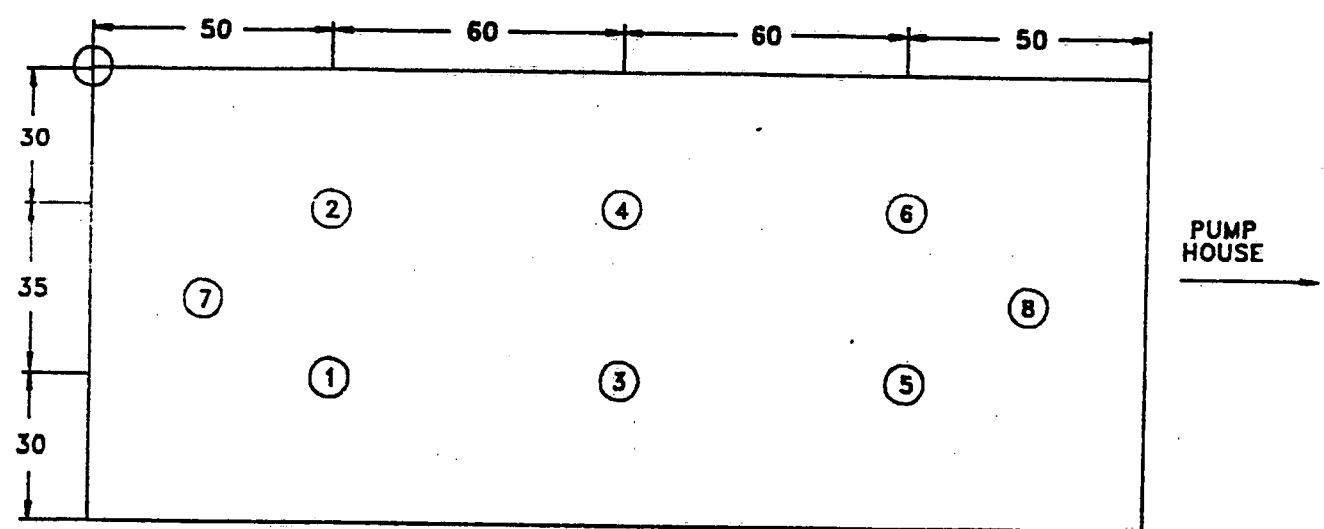
Sincerely,



Kenneth J. Shackford  
Operations Manager

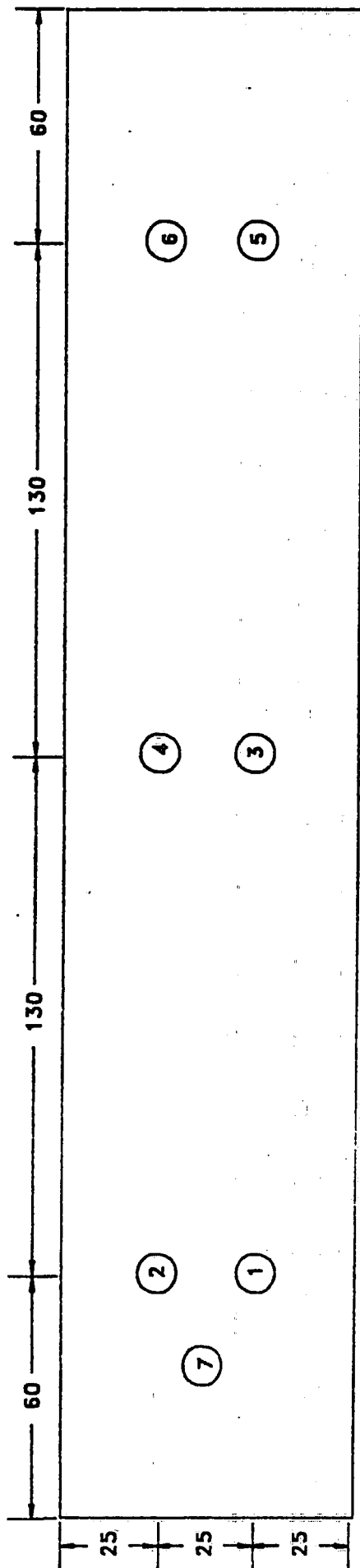
KJS:llm  
Enclosure  
cc: J. Bath  
W. Kiso

ERM — NORTHEAST  
5128-00  
LAGOON #1



LOCATION	TOTAL DEPTH	WATER DEPTH	SLUDGE DEPTH
1	8.0	7.5	0.5
2	8.0	8.0	0.0
3	8.0	8.0	0.0
4	7.5	7.5	0.0
5	8.0	8.0	0.0
6	8.0	5.5	2.5
7	8.0	7.5	0.5
8	8.0	7.5	0.5

ERM - NORTHEAST  
5128-00  
LAGOON #2



LOCATION	TOTAL DEPTH	WATER DEPTH	SLUDGE DEPTH
1	4.5	3.0	1.5
2	4.5	3.5	1.0
3	4.5	2.0	2.5
4	4.5	2.0	2.5
5	5.0	1.5	3.5
6	5.0	1.5	3.5
7	4.5	3.0	1.5

**REPORT TRANSMITTAL**

REPORT NUMBER 30880-1114  
DATE August 10, 1988

**CLIENT**

ERM/Northeast  
375 Bridgeport Avenue  
Shelton, CT 06484

ATTENTION Mr. Mike Cody

The above referenced report is enclosed. Copies of this report and supporting data will be retained in our files in the event they are required for future reference.

If there are any questions concerning this report, please do not hesitate to contact us.

Any samples submitted to our Laboratory will be retained for a maximum of sixty (60) days from receipt of this report, unless other arrangements are desired.

Very Truly Yours.

ROBERT Q. BRADLEY  
Vice President/Principal

August 10, 1988

30880-1114  
ERM/NORTHEAST  
375 Bridgeport Avenue  
Shelton, Connecticut 06484

Attention: Mr. Mike Cody

PURPOSE

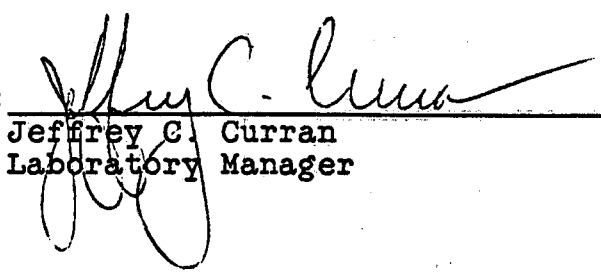
Two (2) sludge samples were submitted to York Laboratories Division of YWC, Inc. by ERM/Northeast for analysis. The client requested the samples be analyzed for E.P. toxicity characterization - metals only.

METHODOLOGY

Samples were prepared and analyzed according to Test Methods for Evaluating Solid Wastes, SW846, 2nd Edition.

RESULTS

The results are presented in Table 1.0.

Prepared by: 

Jeffrey C. Curran  
Laboratory Manager

JCC/md

The liability of YWC, Inc. is limited to the actual dollar value of this project.

TABLE 1.0  
30880-1114  
ERM/NORTHEAST  
METALS RESULTS

All values are mg/L.

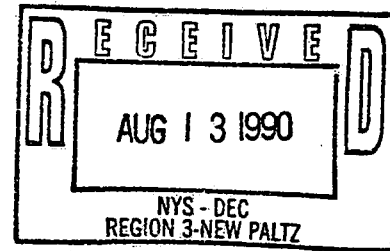
<u>Parameter</u>	<u>Lagoon #1</u> <u>ERM</u>	<u>Lagoon #2</u>
Arsenic	<1.0	<1.0
Barium	0.3	1.3
Cadmium	<0.01	<0.01
Chromium	<0.01	0.01
Lead	<0.200	<0.200
Mercury	0.0046	<0.002
Selenium	<0.500	<0.500
Silver	<0.01	<0.01



FROM S

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ANALYTICAL REPORT



Company:

MOODNA CREEK DEV. CORP.

158 ORANGE AVE.

WALDEN

NY 12586

JAN 30 1992

JCB

Report Summary

Report Date: 18-JUL-90

Project: STANDARD

Lab Number: 87828

Sample Number(s): 87828-001

to

87828-011

A handwritten signature in dark ink, appearing to read "RMB", written over a horizontal line.

Ronald A. Bayer  
Laboratory Director

Inorganics Analysis Data Sheet

Client Name: MOODNA CREEK DEVELOPMENT CORP

Sample Number: 87828-001

Project Name: STANDARD

Date Collected: 30-MAY-90

Matrix: 2 GW/WW

Date Received: 30-MAY-90

Sample Location: GROUP 1/REDDISH OILY LIQUID

Comments:

Analysis	Result	Units	Method	Analyzed
AG	<0.01	MG/L	SW846 6010	29-JUN-90
AS	<5.0	UG/L	SW846 7060	02-JUL-90
BA	<0.05	MG/L	SW846 6010	29-JUN-90
CD	<0.005	MG/L	SW846 6010	29-JUN-90
CR	<0.01	MG/L	SW846 6010	29-JUN-90
EPTOX-EXT			SW846 1310	15-JUN-90
FP	>200	F	SW846 1010	08-JUN-90
HG	<0.4	UG/L	SW846 7470	21-JUN-90
PAINT	90	%	SW846 9095	11-JUL-90
PB	<0.05	MG/L	SW846 6010	29-JUN-90
SE	<5.0	UG/L	SW846 7740	03-JUL-90

Remarks:

PCB ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp.

Lab Number: 87828-001

Project Name:

Date Collected: 5/30/90

Sample Location: Group 1/ Reddish Oily  
Liquid

Date Received: 5/30/90

Matrix: Waste Oils

Date Extracted: 6/8/90

Method: EPA 608

Date Analyzed: 6/20/90

Report Date: 7/18/90

CAS NO.	COMPOUND	Detection Limit ug/l	Conc. ug/l	Data Qualifier
12674-11-2	Arochlor-1016	5000		U
11104-28-2	Arochlor-1221	5000		U
11141-16-5	Arochlor-1232	5000		U
53469-21-9	Arochlor-1242 <i>rest</i>	5000		U
12672-29-6	Arochlor-1248	5000		U
11097-69-1	Arochlor-1254	1000		U
11096-82-5	Arochlor-1260	1000		U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp. Lab Number: 87828-001  
 Project Name: Date Collected: 5/30/90  
 Sample Location: Group 1/Reddish Oily Liquid Date Received: 5/30/90  
 Matrix: Waste Oils Date Analyzed: 6/15-7/15/90  
 Method: 8010 Report Date: 7/19/90

CAS NO.	COMPOUND	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	50		U
74-83-9	Bromomethane	50		U
75-71-8	Dichlorodifluoromethane	50		U
75-01-4	Vinyl chloride	50		U
75-00-3	Chloroethane	50		U
75-09-2	Methylene chloride	50		U
75-69-4	Trichlorofluoromethane	50		U
75-35-4	1,1-Dichloroethene	50		U
75-34-3	1,1-Dichloroethane	50		U
540-59-0	trans-1,2-Dichloroethene	50		U
67-66-3	Chloroform	50		U
107-02-2	1,2-Dichloroethane	50		U
71-55-6	1,1,1-Trichloroethane	50	19800	U
56-23-5	Carbon tetrachloride	50	19.8 ppm	U
75-27-4	Bromodichloromethane	50		U
78-87-5	1,2-Dichloropropane	50		U
10061-01-5	cis-1,3-Dichloropropene	50		U
79-01-6	Trichloroethene	50		U
124-48-1	Dibromochloromethane	50		U
10061-02-6	trans-1,3-Dichloropropene	50		U
79-00-5	1,1,2-Trichloroethane	50		U
100-75-8	2-Chloroethylvinyl ether	50		U
75-25-2	Bromoform	50		U
79-34-5	1,1,2,2-Tetrachloroethane	50	98700	U
127-18-4	Tetrachloroethene	50	98.7 ppm	U
108-90-7	Chlorobenzene	50		U
541-73-1	1,3-Dichlorobenzene	50		U
95-50-1	1,2-Dichlorobenzene	50		U
106-46-7	1,4-Dichlorobenzene	50		U

## ORGANIC DATA REPORTING QUALIFIERS

VALUE - A value is reported if the result is greater than or equal to the detection limit.

- U - Indicates that the compound was analyzed for but not detected. The value followed by the U (e.g. 10U) is the minimum detection limit for the sample based on necessary concentration or dilution action. This is not necessarily the instrument detection limit.
- J - Indicates an estimated value. This qualifier is used when mass spectral data indicates the presence of a compound that meets the identification criteria and the result is < than the specified detection limit but > than zero.
- B - This qualifier is used when the analyte is found in the blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
- C - This qualifier applies to pesticide parameters where the identification has been confirmed by gas chromatography/mass spectrometry.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp. Lab Number: 87828-011  
 Project Name: Date Collected: 5/30/90  
 Sample Location: Group 11/White Powder Date Received: 5/30/90  
 Matrix: Waste Oils Date Analyzed: 6/15-7/15/90  
 Method: 8010 Report Date: 7/19/90

CAS NO.	COMPOUND	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
74-87-3	Chloromethane	8.3		U
74-83-9	Bromomethane	8.3		U
75-71-8	Dichlorodifluoromethane	8.3		U
75-01-4	Vinyl chloride	8.3		U
75-00-3	Chloroethane	8.3		U
75-09-2	Methylene chloride	8.3		U
75-69-4	Trichlorofluoromethane	8.3		U
75-35-4	1,1-Dichloroethene	8.3		U
75-34-3	1,1-Dichloroethane	8.3		U
540-59-0	trans-1,2-Dichloroethene	8.3		U
67-66-3	Chloroform	8.3		U
107-02-2	1,2-Dichloroethane	8.3		U
71-55-6	1,1,1-Trichloroethane	8.3		U
56-23-5	Carbon tetrachloride	8.3		U
75-27-4	Bromodichloromethane	8.3		U
78-87-5	1,2-Dichloropropane	8.3		U
10061-01-5	cis-1,3-Dichloropropene	8.3		U
79-01-6	Trichloroethene	8.3		U
124-48-1	Dibromochloromethane	8.3		U
10061-02-6	trans-1,3-Dichloropropene	8.3		U
79-00-5	1,1,2-Trichloroethane	8.3		U
100-75-8	2-Chloroethylvinyl ether	8.3		U
75-25-2	Bromoform	8.3		U
79-34-5	1,1,2,2-Tetrachloroethane	8.3		U
127-18-4	Tetrachloroethene	8.3		U
108-90-7	Chlorobenzene	8.3		U
541-73-1	1,3-Dichlorobenzene	8.3		U
95-50-1	1,2-Dichlorobenzene	8.3		U
106-46-7	1,4-Dichlorobenzene	8.3		U

PCB ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp.      Lab Number: 87828-011  
Project Name:      Date Collected: 5/30/90  
Sample Location: Group 11/White Powder      Date Received: 5/30/90  
Matrix: Waste Oils      Date Extracted: 6/8/90  
Method: EPA 608      Date Analyzed: 6/20/90  
Report Date: 7/18/90

CAS NO.	COMPOUND	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
12674-11-2	Arochlor-1016	20000		U
11104-28-2	Arochlor-1221	20000		U
11141-16-5	Arochlor-1232	20000		U
53469-21-9	Arochlor-1242	20000		U
12672-29-6	Arochlor-1248	20000		U
11097-69-1	Arochlor-1254	20000		U
11096-82-5	Arochlor-1260	20000		U

Inorganics Analysis Data Sheet

Client Name: MOODNA CREEK DEVELOPMENT CORP

Sample Number: 87828-011

Project Name: STANDARD

Date Collected: 30-MAY-90

Matrix: 2 GW/WW

Date Received: 30-MAY-90

Sample Location: GROUP 11/WHITE POWDER

Comments:

Analysis	Result	Units	Method	Analyzed
AG	0.10	MG/L	SW846 6010	21-JUN-90
AS	<5.0	UG/L	SW846 7060	02-JUL-90
BA	<0.05	MG/L	SW846 6010	21-JUN-90
CD	<0.01	MG/L	SW846 6010	21-JUN-90
CR	<0.01	MG/L	SW846 6010	21-JUN-90
EPTOX-EXT			SW846 1310	15-JUN-90
FP	>200	F	SW846 1010	19-JUN-90
HG	<0.4	UG/L	SW846 7470	21-JUN-90
PAINT	*	%	SW846 9095	11-JUL-90
PB	<5.0	UG/L	SW846 7421	25-JUN-90
SE	<5.0	UG/L	SW846 7740	03-JUL-90

Remarks: (\*) No free liquid.



## VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp.

Lab Number: 87828-010

**Project Name:**

Date Collected: 5/30/90

Sample Location: Group 10/Thick Black  
Liquid

Date Received: 5/30/90

Matrix: Waste Oils

Date Analyzed: 6/15-7/15/90

Method: 8010

Report Date: 7/19/90

CAS NO.	COMPOUND	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	50		U
74-83-9	Bromomethane	50		U
75-71-8	Dichlorodifluoromethane	50		U
75-01-4	Vinyl chloride	50		U
75-00-3	Chloroethane	50		U
75-09-2	Methylene chloride	50		U
75-69-4	Trichlorofluoromethane	50		U
75-35-4	1,1-Dichloroethene	50		U
75-34-3	1,1-Dichloroethane	50		U
540-59-0	trans-1,2-Dichloroethene	50		U
67-66-3	Chloroform	50		U
107-02-2	1,2-Dichloroethane	50		U
71-55-6	1,1,1-Trichloroethane	50		U
56-23-5	Carbon tetrachloride	50		U
75-27-4	Bromodichloromethane	50		U
78-87-5	1,2-Dichloropropane	50		U
10061-01-5	cis-1,3-Dichloropropene	50		U
79-01-6	Trichloroethene	50		U
124-48-1	Dibromochloromethane	50		U
10061-02-6	trans-1,3-Dichloropropene	50		U
79-00-5	1,1,2-Trichloroethane	50		U
100-75-8	2-Chloroethylvinyl ether	50		U
75-25-2	Bromoform	50		U
79-34-5	1,1,2,2-Tetrachloroethane	50		U
127-18-4	Tetrachloroethene	50		U
108-90-7	Chlorobenzene	50		U
541-73-1	1,3-Dichlorobenzene	50		U
95-50-1	1,2-Dichlorobenzene	50		U
106-46-7	1,4-Dichlorobenzene	50		U

## PCB ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp.

Lab Number: 87828-010

Project Name:

Date Collected: 5/30/90

Sample Location: Group 10/Thick Black  
Liquid

Date Received: 5/30/90

Matrix: Waste Oils

Date Extracted: 6/8/90

Method: EPA 608

Date Analyzed: 6/20/90

Report Date: 7/18/90

CAS NO.	COMPOUND	Detection Limit ug/l	Conc. ug/l	Data Qualifier
12674-11-2	Arochlor-1016	10		U
11104-28-2	Arochlor-1221	10		U
11141-16-5	Arochlor-1232	10		U
53469-21-9	Arochlor-1242	10		U
12672-29-6	Arochlor-1248	10		U
11097-69-1	Arochlor-1254	10		U
11096-82-5	Arochlor-1260	10		U

Inorganics Analysis Data Sheet

Client Name: MOODNA CREEK DEVELOPMENT CORP

Sample Number: 87828-010

Project Name: STANDARD

Date Collected: 30-MAY-90

Matrix: 2 GW/WW

Date Received: 30-MAY-90

Sample Location: GROUP 10/THICK BLACK LIQUID

Comments:

Analysis	Result	Units	Method	Analyzed
AG	<0.01	MG/L	SW846 6010	21-JUN-90
AS	<5.0	UG/L	SW846 7060	02-JUL-90
BA	<0.05	MG/L	SW846 6010	21-JUN-90
CD	<0.01	MG/L	SW846 6010	21-JUN-90
CR	<0.01	MG/L	SW846 6010	21-JUN-90
EPTOX-EXT			SW846 1310	15-JUN-90
FP	>200	F	SW846 1010	15-JUN-90
HG	<0.4	UG/L	SW846 7470	21-JUN-90
PAINT	90	%	SW846 9095	11-JUL-90
PB	<5.0	UG/L	SW846 7421	25-JUN-90
SE	<5.0	UG/L	SW846 7740	03-JUL-90

Remarks:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp.      Lab Number: 87828-009  
Project Name:      Date Collected: 5/30/90  
Sample Location: Group 9/Clear Liquid      Date Received: 5/30/90  
Matrix: Waste Oils      Date Analyzed: 6/15-7/15/90  
Method: 8010      Report Date: 7/19/90

CAS NO.	COMPOUND	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	50		U
74-83-9	Bromomethane	50		U
75-71-8	Dichlorodifluoromethane	50		U
75-01-4	Vinyl chloride	50		U
75-00-3	Chloroethane	50		U
75-09-2	Methylene chloride	50		U
75-69-4	Trichlorofluoromethane	50		U
75-35-4	1,1-Dichloroethene	50		U
75-34-3	1,1-Dichloroethane	50		U
540-59-0	trans-1,2-Dichloroethene	50		U
67-66-3	Chloroform	50		U
107-02-2	1,2-Dichloroethane	50		U
71-55-6	1,1,1-Trichloroethane	50		U
56-23-5	Carbon tetrachloride	50		U
75-27-4	Bromodichloromethane	50		U
78-87-5	1,2-Dichloropropane	50		U
10061-01-5	cis-1,3-Dichloropropene	50		U
79-01-6	Trichloroethene	50		U
124-48-1	Dibromochloromethane	50		U
10061-02-6	trans-1,3-Dichloropropene	50		U
79-00-5	1,1,2-Trichloroethane	50		U
100-75-8	2-Chloroethylvinyl ether	50		U
75-25-2	Bromoform	50		U
79-34-5	1,1,2,2-Tetrachloroethane	50		U
127-18-4	Tetrachloroethene	50		U
108-90-7	Chlorobenzene	50		U
541-73-1	1,3-Dichlorobenzene	50		U
95-50-1	1,2-Dichlorobenzene	50		U
106-46-7	1,4-Dichlorobenzene	50		U

## PCB ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp.      Lab Number: 87828-009  
 Project Name:      Date Collected: 5/30/90  
 Sample Location: Group 9/ Clear Liquid      Date Received: 5/30/90  
 Matrix: Waste Oils      Date Extracted: 6/8/90  
 Method: EPA 608      Date Analyzed: 6/20/90  
 Report Date: 7/18/90

CAS NO.	COMPOUND	Detection Limit ug/l	Conc. ug/l	Data Qualifier
12674-11-2	Arochlor-1016	400		U
11104-28-2	Arochlor-1221	400		U
11141-16-5	Arochlor-1232	400		U
53469-21-9	Arochlor-1242	400		U
12672-29-6	Arochlor-1248	400		U
11097-69-1	Arochlor-1254	400		U
11096-82-5	Arochlor-1260	400		U

Inorganics Analysis Data Sheet

Client Name: MOODNA CREEK DEVELOPMENT CORP

Sample Number: 87828-009

Project Name: STANDARD

Date Collected: 30-MAY-90

Matrix: 2 GW/WW

Date Received: 30-MAY-90

Sample Location: GROUP 9/CLEAR LIQUID

Comments:

Analysis	Result	Units	Method	Analyzed
AG	<0.1	MG/L	SW846 6010	21-JUN-90
AS	<5.0	UG/L	SW846 7060	02-JUL-90
BA	<0.5	MG/L	SW846 6010	21-JUN-90
CD	<0.1	MG/L	SW846 6010	21-JUN-90
CR	0.13	MG/L	SW846 6010	21-JUN-90
EPTOX-EXT			SW846 1310	15-JUN-90
FP	>200	F	SW846 1010	15-JUN-90
HG	<40	UG/L	SW846 7470	21-JUN-90
PAINT	100	%	SW846 9095	11-JUL-90
PB	<500	UG/L	SW846 7421	25-JUN-90
SE	<5.0	UG/L	SW846 7740	03-JUL-90

Remarks:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp.	Lab Number: 87828-008
Project Name:	Date Collected: 5/30/90
Sample Location: Group 8/White Gelatinous Substance	Date Received: 5/30/90
Matrix: Waste Oils	Date Analyzed: 6/15-7/15/90
Method: 8010	Report Date: 7/19/90

CAS NO.	COMPOUND	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
74-87-3	Chloromethane	10		U
74-83-9	Bromomethane	10		U
75-71-8	Dichlorodifluoromethane	10		U
75-01-4	Vinyl chloride	10		U
75-00-3	Chloroethane	10		U
75-09-2	Methylene chloride	10		U
75-69-4	Trichlorofluoromethane	10		U
75-35-4	1,1-Dichloroethene	10		U
75-34-3	1,1-Dichloroethane	10		U
540-59-0	trans-1,2-Dichloroethene	10		U
67-66-3	Chloroform	10		U
107-02-2	1,2-Dichloroethane	10		U
71-55-6	1,1,1-Trichloroethane	10		U
56-23-5	Carbon tetrachloride	10		U
75-27-4	Bromodichloromethane	10		U
78-87-5	1,2-Dichloropropane	10		U
10061-01-5	cis-1,3-Dichloropropene	10		U
79-01-6	Trichloroethene	10		U
124-48-1	Dibromochloromethane	10		U
10061-02-6	trans-1,3-Dichloropropene	10		U
79-00-5	1,1,2-Trichloroethane	10		U
100-75-8	2-Chloroethylvinyl ether	10		U
75-25-2	Bromoform	10		U
79-34-5	1,1,2,2-Tetrachloroethane	10		U
127-18-4	Tetrachloroethene	10		U
108-90-7	Chlorobenzene	10		U
541-73-1	1,3-Dichlorobenzene	10		U
95-50-1	1,2-Dichlorobenzene	10		U
106-46-7	1,4-Dichlorobenzene	10		U

# VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: Jacobowitz & Gubit

Lab Number: 86674-001

Project Name: Moodna Deveopment, LTD.

Date Collected: 4/25/90

Sample Location: Area 1, Surface Comp.

Date Received: 4/25/90

Matrix: Soil

Date Analyzed: 5/9/90

Method: EPA 624

Report Date: 5/24/90

CAS NO.	COMPOUND	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
		ppb		
74-87-3	Chloromethane	680		U
74-83-9	Bromomethane	680		U
75-01-4	Vinyl chloride	680		U
75-00-3	Chloroethane	680		U
75-09-2	Methylene chloride	340		U
75-69-4	Trichlorofluoromethane	340		U
75-35-4	1,1-Dichloroethene	340		U
75-34-3	1,1-Dichloroethane	340		U
540-59-0	trans-1,2-Dichloroethene	340		U
67-66-3	Chloroform	340		U
107-02-2	1,2-Dichloroethane	340		U
71-55-6	1,1,1-Trichloroethane	340	180	J
56-23-5	Carbon tetrachloride	340		U
75-27-4	Bromodichloromethane	340		U
78-87-5	1,2-Dichloropropane	340		U
10061-01-5	cis-1,3-Dichloropropene	340		U
79-01-6	Trichloroethene	340		U
71-43-2	Benzene	340		U
124-48-1	Dibromochloromethane	340		U
10061-02-6	trans-1,3-Dichloropropene	340		U
79-00-5	1,1,2-Trichloroethane	340		U
100-75-8	2-Chloroethylvinyl ether	340		U
75-25-2	Bromoform	340		U
79-34-5	1,1,2,2-Tetrachloroethane	340		U
127-18-4	Tetrachloroethene	340	215,000 = 215 ppm 120	
108-88-3	Toluene	340		U
108-90-7	Chlorobenzene	340		U
100-41-4	Ethylbenzene	340	660	U
541-73-1	1,3-Dichlorobenzene	340		U
95-50-1	1,2-Dichlorobenzene	340		U
106-46-7	1,4-Dichlorobenzene	340		U



Inorganics Analysis Data Sheet

Client Name: JACOBOWITZ & GUBITS

Sample Number: 86674-002

Project Name: STANDARD

Date Collected: 25-APR-90

Matrix: 3 Soil/Sldg

Date Received: 25-APR-90

Sample Location: AREA 1 12"HOLE COMPOSITE

Comments: MAJESTIC WEAVING

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Analyzed</u>
PSOL	82.6	%	EPA 160.3	26-APR-90
TPH-418	12000	MG/KG DRY	418.1	04-MAY-90

Remarks:

# VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: Jacobowitz & Curtis

Lab Number: 86674-002

Project Name: Moodna Development, LTD.

Date Collected: 4/25/90

Sample Location: Area 1, 12" Hole Comp.

Date Received: 4/25/90

Matrix: Soil

Date Analyzed: 5/9/90

Method: EPA 624

Report Date: 5/24/90

CAS NO.	COMPOUND	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
74-87-3	Chloromethane	60		U
74-83-9	Bromomethane	60		U
75-01-4	Vinyl chloride	60		U
75-00-3	Chloroethane	60		U
75-09-2	Methylene chloride	30		U
75-69-4	Trichlorofluoromethane	30		U
75-35-4	1,1-Dichloroethene	30		U
75-34-3	1,1-Dichloroethane	30		U
540-59-0	trans-1,2-Dichloroethene	30		U
67-66-3	Chloroform	30		U
107-02-2	1,2-Dichloroethane	30		U
71-55-6	1,1,1-Trichloroethane	30		U
56-23-5	Carbon tetrachloride	30		U
75-27-4	Bromodichloromethane	30		U
78-87-5	1,2-Dichloropropane	30		U
10061-01-5	cis-1,3-Dichloropropene	30		U
79-01-6	Trichloroethene	30	5,640	U
71-43-2	Benzene	30		U
124-48-1	Dibromochloromethane	30		U
10061-02-6	trans-1,3-Dichloropropene	30		U
79-00-5	1,1,2-Trichloroethane	30		U
100-75-8	2-Chloroethylvinyl ether	30		U
75-25-2	Bromoform	30		U
79-34-5	1,1,2,2-Tetrachloroethane	30		U
127-18-4	Tetrachloroethene	30		U
108-88-3	Toluene	30		U
108-90-7	Chlorobenzene	30		U
100-41-4	Ethylbenzene	30		U
541-73-1	1,3-Dichlorobenzene	30		U
95-50-1	1,2-Dichlorobenzene	30		U
106-46-7	1,4-Dichlorobenzene	30		U

# PCB ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp.      Lab Number: 87828-008  
 Project Name:      Date Collected: 5/30/90  
 Sample Location: Group 8/ White Gelatinous Substance      Date Received: 5/30/90  
 Matrix: Waste Oils      Date Extracted: 6/8/90  
 Method: EPA 608      Date Analyzed: 6/20/90  
    Report Date: 7/18/90

CAS NO.	COMPOUND	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
12674-11-2	Arochlor-1016	10000		U
11104-28-2	Arochlor-1221	10000		U
11141-16-5	Arochlor-1232	10000		U
53469-21-9	Arochlor-1242	10000		U
12672-29-6	Arochlor-1248	10000		U
11097-69-1	Arochlor-1254	10000		U
11096-82-5	Arochlor-1260	10000		U

Inorganics Analysis Data Sheet

Client Name: MOODNA CREEK DEVELOPMENT CORP

Sample Number: 87828-008

Project Name: STANDARD

Date Collected: 30-MAY-90

Matrix: 2 GW/WW

Date Received: 30-MAY-90

Sample Location: GROUP 8/WHITE GELATINOUS SUBSTANCE

Comments:

Analysis	Result	Units	Method	Analyzed
AG	<0.01	MG/L	SW846 6010	21-JUN-90
AS	<5.0	UG/L	SW846 7060	02-JUL-90
BA	<0.05	MG/L	SW846 6010	21-JUN-90
CD	<0.01	MG/L	SW846 6010	21-JUN-90
CR	0.05	MG/L	SW846 6010	21-JUN-90
EPTOX-EXT			SW846 1310	15-JUN-90
FP	>200	F	SW846 1010	12-JUN-90
HG	<0.4	UG/L	SW846 7470	21-JUN-90
PAINT	100	%	SW846 9095	11-JUL-90
PB	<5.0	UG/L	SW846 7421	25-JUN-90
SE	<5.0	UG/L	SW846 7740	03-JUL-90

Remarks:

# VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp. Lab Number: 87828-007  
 Project Name: Date Collected: 5/30/90  
 Sample Location: Group 7/Black & White Grease Date Received: 5/30/90  
 Matrix: Waste Oils Date Analyzed: 6/15-7/15/90  
 Method: 8010 Report Date: 7/19/90

CAS NO.	COMPOUND	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
74-87-3	Chloromethane	10		U
74-83-9	Bromomethane	10		U
75-71-8	Dichlorodifluoromethane	10		U
75-01-4	Vinyl chloride	10		U
75-00-3	Chloroethane	10		U
75-09-2	Methylene chloride	10		U
75-69-4	Trichlorofluoromethane	10		U
75-35-4	1,1-Dichloroethene	10		U
75-34-3	1,1-Dichloroethane	10		U
540-59-0	trans-1,2-Dichloroethene	10		U
67-66-3	Chloroform	10		U
107-02-2	1,2-Dichloroethane	10		U
71-55-6	1,1,1-Trichloroethane	10		U
56-23-5	Carbon tetrachloride	10		U
75-27-4	Bromodichloromethane	10		U
78-87-5	1,2-Dichloropropane	10		U
10061-01-5	cis-1,3-Dichloropropene	10		U
79-01-6	Trichloroethene	10		U
124-48-1	Dibromochloromethane	10		U
10061-02-6	trans-1,3-Dichloropropene	10		U
79-00-5	1,1,2-Trichloroethane	10		U
100-75-8	2-Chloroethylvinyl ether	10		U
75-25-2	Bromoform	10		U
79-34-5	1,1,2,2-Tetrachloroethane	10		U
127-18-4	Tetrachloroethene	10	19	
108-90-7	Chlorobenzene	10		U
541-73-1	1,3-Dichlorobenzene	10		U
95-50-1	1,2-Dichlorobenzene	10		U
106-46-7	1,4-Dichlorobenzene	10		U

## PCB ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp. Lab Number: 87828-007  
 Project Name: Date Collected: 5/30/90  
 Sample Location: Group 7/ Black and White Grease Date Received: 5/30/90  
 Matrix: Waste Oils Date Extracted: 6/8/90  
 Method: EPA 608 Date Analyzed: 6/20/90  
 Report Date: 7/18/90

CAS NO.	COMPOUND	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
12674-11-2	Arochlor-1016	10000		U
11104-28-2	Arochlor-1221	10000		U
11141-16-5	Arochlor-1232	10000		U
53469-21-9	Arochlor-1242	10000		U
12672-29-6	Arochlor-1248	10000		U
11097-69-1	Arochlor-1254	10000		U
11096-82-5	Arochlor-1260	10000		U

Inorganics Analysis Data Sheet

Client Name: MOODNA CREEK DEVELOPMENT CORP

Sample Number: 87828-007

Project Name: STANDARD

Date Collected: 30-MAY-90

Matrix: 2 GW/WW

Date Received: 30-MAY-90

Sample Location: GOUP 7/BLACK AND WHITE GREASE

Comments:

Analysis	Result	Units	Method	Analyzed
AG	0.012	MG/L	SW846 6010	21-JUN-90
AS	<5.0	UG/L	SW846 7060	02-JUL-90
BA	<0.05	MG/L	SW846 6010	21-JUN-90
CD	<0.01	MG/L	SW846 6010	21-JUN-90
CR	<0.01	MG/L	SW846 6010	21-JUN-90
EPTOX-EXT			SW846 1310	15-JUN-90
FP	>200	F	SW846 1010	12-JUN-90
HG	<0.4	UG/L	SW846 7470	21-JUN-90
PAINT	*	%	SW846 9095	11-JUL-90
PB	<5.0	UG/L	SW846 7421	25-JUN-90
SE	<5.0	UG/L	SW846 7740	03-JUL-90

Remarks: (\*) No free liquid.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp. Lab Number: 87828-006  
 Project Name: Date Collected: 5/30/90  
 Sample Location: Group 6/Redish White Liquid Date Received: 5/30/90  
 Matrix: Waste Oils Date Analyzed: 6/15-7/15/90  
 Method: 8010 Report Date: 7/19/90

CAS NO.	COMPOUND	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	50		U
74-83-9	Bromomethane	50		U
75-71-8	Dichlorodifluoromethane	50		U
75-01-4	Vinyl chloride	50		U
75-00-3	Chloroethane	50		U
75-09-2	Methylene chloride	50		U
75-69-4	Trichlorofluoromethane	50		U
75-35-4	1,1-Dichloroethene	50		U
75-34-3	1,1-Dichloroethane	50		U
540-59-0	trans-1,2-Dichloroethene	50		U
67-66-3	Chloroform	50		U
107-02-2	1,2-Dichloroethane	50		U
71-55-6	1,1,1-Trichloroethane	50		U
56-23-5	Carbon tetrachloride	50		U
75-27-4	Bromodichloromethane	50		U
78-87-5	1,2-Dichloropropane	50		U
10061-01-5	cis-1,3-Dichloropropene	50		U
79-01-6	Trichloroethene	50	270	U
124-48-1	Dibromochloromethane	50		U
10061-02-6	trans-1,3-Dichloropropene	50		U
79-00-5	1,1,2-Trichloroethane	50		U
100-75-8	2-Chloroethylvinyl ether	50		U
75-25-2	Bromoform	50		U
79-34-5	1,1,2,2-Tetrachloroethane	50		U
127-18-4	Tetrachloroethene	50	3110	U
108-90-7	Chlorobenzene	50		U
541-73-1	1,3-Dichlorobenzene	50		U
95-50-1	1,2-Dichlorobenzene	50		U
106-46-7	1,4-Dichlorobenzene	50		U



## PCB ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp.      Lab Number: 87828-006  
Project Name:      Date Collected: 5/30/90  
Sample Location: Group 6/ Reddish White      Date Received: 5/30/90  
   Liquid      Date Extracted: 6/8/90  
Matrix: Waste Oils      Date Analyzed: 6/20/90  
Method: EPA 608      Report Date: 7/18/90

CAS NO.	COMPOUND	Detection Limit ug/l	Conc. ug/l	Data Qualifier
12674-11-2	Arochlor-1016	5000		U
11104-28-2	Arochlor-1221	5000		U
11141-16-5	Arochlor-1232	5000		U
53469-21-9	Arochlor-1242	5000		U
12672-29-6	Arochlor-1248	5000		U
11097-69-1	Arochlor-1254	5000		U
11096-82-5	Arochlor-1260	5000		U

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Inorganics Analysis Data Sheet

Client Name: MOODNA CREEK DEVELOPMENT CORP

Sample Number: 87828-006

Project Name: STANDARD

Date Collected: 30-MAY-90

Matrix: 2 GW/WW

Date Received: 30-MAY-90

Sample Location: GROUP 6/REDDISH WHITE LIQUID

Comments:

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Analyzed</u>
AG	<0.01	MG/L	SW846 6010	29-JUN-90
AS	<5.0	UG/L	SW846 7060	02-JUL-90
BA	<0.05	MG/L	SW846 6010	29-JUN-90
CD	<0.005	MG/L	SW846 6010	29-JUN-90
CR	<0.01	MG/L	SW846 6010	29-JUN-90
EPTOX-EXT			SW846 1310	15-JUN-90
FP	133	F	SW846 1010	11-JUN-90
HG	<0.4	UG/L	SW846 7470	21-JUN-90
PAINT	100	%	SW846 9095	11-JUL-90
PB	<0.05	MG/L	SW846 6010	29-JUN-90
SE	<5.0	UG/L	SW846 7740	03-JUL-90

Remarks:

# VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp.      Lab Number: 87828-005  
 Project Name:      Date Collected: 5/30/90  
 Sample Location: Group 5/Milky      Date Received: 5/30/90  
    Liquid      Date Analyzed: 6/15-7/15/90  
 Matrix: Waste Oils      Report Date: 7/19/90  
 Method: 8010

CAS NO.	COMPOUND	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	50		U
74-83-9	Bromomethane	50		U
75-71-8	Dichlorodifluoromethane	50		U
75-01-4	Vinyl chloride	50		U
75-00-3	Chloroethane	50		U
75-09-2	Methylene chloride	50		U
75-69-4	Trichlorofluoromethane	50		U
75-35-4	1,1-Dichloroethene	50		U
75-34-3	1,1-Dichloroethane	50		U
540-59-0	trans-1,2-Dichloroethene	50		U
67-66-3	Chloroform	50		U
107-02-2	1,2-Dichloroethane	50		U
71-55-6	1,1,1-Trichloroethane	50	69	U
56-23-5	Carbon tetrachloride	50		U
75-27-4	Bromodichloromethane	50		U
78-87-5	1,2-Dichloropropane	50		U
10061-01-5	cis-1,3-Dichloropropene	50		U
79-01-6	Trichloroethene	50	170	U
124-48-1	Dibromochloromethane	50		U
10061-02-6	trans-1,3-Dichloropropene	50		U
79-00-5	1,1,2-Trichloroethane	50		U
100-75-8	2-Chloroethylvinyl ether	50		U
75-25-2	Bromoform	50		U
79-34-5	1,1,2,2-Tetrachloroethane	50		U
127-18-4	Tetrachloroethene	50	42900	U
108-90-7	Chlorobenzene	50	42.9 ppm	U
541-73-1	1,3-Dichlorobenzene	50		U
95-50-1	1,2-Dichlorobenzene	50		U
106-46-7	1,4-Dichlorobenzene	50		U

PCB ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp.      Lab Number: 87828-005  
Project Name:      Date Collected: 5/30/90  
Sample Location: Group 5/ Milky Liquid      Date Received: 5/30/90  
Matrix: Waste Oil      Date Extracted: 6/8/90  
Method: EPA 608      Date Analyzed: 6/20/90  
Report Date: 7/18/90

CAS NO.	COMPOUND	Detection Limit ug/l	Conc. ug/l	Data Qualifier
12674-11-2	Arochlor-1016	5000		U
11104-28-2	Arochlor-1221	5000		U
11141-16-5	Arochlor-1232	5000		U
53469-21-9	Arochlor-1242	5000		U
12672-29-6	Arochlor-1248	5000		U
11097-69-1	Arochlor-1254	5000		U
11096-82-5	Arochlor-1260	5000		U

Inorganics Analysis Data Sheet

Client Name: MOODNA CREEK DEVELOPMENT CORP

Sample Number: 87828-005

Project Name: STANDARD

Date Collected: 30-MAY-90

Matrix: 2 GW/WW

Date Received: 30-MAY-90

Sample Location: GROUP 5/MILKY LIQUID

Comments:

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Analyzed</u>
AG	<0.01	MG/L	SW846 6010	29-JUN-90
AS	<5.0	UG/L	SW846 7060	02-JUL-90
BA	<0.05	MG/L	SW846 6010	29-JUN-90
CD	<0.005	MG/L	SW846 6010	29-JUN-90
CR	0.01	MG/L	SW846 6010	29-JUN-90
EPTOX-EXT			SW846 1310	15-JUN-90
FP	162	F	SW846 1010	11-JUN-90
HG	<0.4	UG/L	SW846 7470	21-JUN-90
PAINT	100	%	SW846 9095	11-JUL-90
PB	<0.05	MG/L	SW846 6010	29-JUN-90
SE	<5.0	UG/L	SW846 7740	03-JUL-90

Remarks:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp.      Lab Number: 87828-004  
Project Name:      Date Collected: 5/30/90  
Sample Location: Group 4/Goldish      Date Received: 5/30/90  
   Liquid      Date Analyzed: 6/15-7/15/90  
Matrix: Waste Oils      Report Date: 7/19/90  
Method: 8010

CAS NO.	COMPOUND	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	50		U
74-83-9	Bromomethane	50		U
75-71-8	Dichlorodifluoromethane	50		U
75-01-4	Vinyl chloride	50		U
75-00-3	Chloroethane	50		U
75-09-2	Methylene chloride	50		U
75-69-4	Trichlorofluoromethane	50		U
75-35-4	1,1-Dichloroethene	50		U
75-34-3	1,1-Dichloroethane	50		U
540-59-0	trans-1,2-Dichloroethene	50		U
67-66-3	Chloroform	50		U
107-02-2	1,2-Dichloroethane	50		U
71-55-6	1,1,1-Trichloroethane	50	59	
56-23-5	Carbon tetrachloride	50		U
75-27-4	Bromodichloromethane	50		U
78-87-5	1,2-Dichloropropane	50		U
10061-01-5	cis-1,3-Dichloropropene	50		U
79-01-6	Trichloroethene	50		U
124-48-1	Dibromochloromethane	50		U
10061-02-6	trans-1,3-Dichloropropene	50		U
79-00-5	1,1,2-Trichloroethane	50		U
100-75-8	2-Chloroethylvinyl ether	50		U
75-25-2	Bromoform	50		U
79-34-5	1,1,2,2-Tetrachloroethane	50		U
127-18-4	Tetrachloroethene	50	79	
108-90-7	Chlorobenzene	50		U
541-73-1	1,3-Dichlorobenzene	50		U
95-50-1	1,2-Dichlorobenzene	50		U
106-46-7	1,4-Dichlorobenzene	50		U

PCB ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp.      Lab Number: 87828-004  
Project Name:      Date Collected: 5/30/90  
Sample Location: Group 4/ Goldish Liquid      Date Received: 5/30/90  
Matrix: Waste Oils      Date Extracted: 6/8/90  
Method: EPA 608      Date Analyzed: 6/20/90  
Report Date: 7/18/90

CAS NO.	COMPOUND	Detection Limit ug/l	Conc. ug/l	Data Qualifier
12674-11-2	Arochlor-1016	3000		U
11104-28-2	Arochlor-1221	3000		U
11141-16-5	Arochlor-1232	3000		U
53469-21-9	Arochlor-1242	3000		U
12672-29-6	Arochlor-1248	3000		U
11097-69-1	Arochlor-1254	6000		U
11096-82-5	Arochlor-1260	6000		U

Inorganics Analysis Data Sheet

Client Name: MOODNA CREEK DEVELOPMENT CORP

Sample Number: 87828-004

Project Name: STANDARD

Date Collected: 30-MAY-90

Matrix: 2 GW/WW

Date Received: 30-MAY-90

Sample Location: GROUP 4/GOLDISH LIQUID

Comments:

Analysis	Result	Units	Method	Analyzed
AG	<0.01	MG/L	SW846 6010	21-JUN-90
AS	<5.0	UG/L	SW846 7060	28-JUN-90
BA	<0.05	MG/L	SW846 6010	21-JUN-90
CD	<0.01	MG/L	SW846 6010	21-JUN-90
CR	<0.01	MG/L	SW846 6010	21-JUN-90
EPTOX-EXT			SW846 1310	15-JUN-90
FP	>200	F	SW846 1010	11-JUN-90
HG	<0.4	UG/L	SW846 7470	21-JUN-90
PAINT	100	%	SW846 9095	11-JUL-90
PB	<5.0	UG/L	SW846 7421	25-JUN-90
SE	<5.0	UG/L	SW846 7740	03-JUL-90

Remarks:



## VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp.      Lab Number: 87828-003  
 Project Name:      Date Collected: 5/30/90  
 Sample Location: Group 3/Reddish Clear      Date Received: 5/30/90  
    Liquid      Date Analyzed: 6/15-7/15/90  
 Matrix: Waste Oils      Report Date: 7/19/90  
 Method: 8010

CAS NO.	COMPOUND	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	50		U
74-83-9	Bromomethane	50		U
75-71-8	Dichlorodifluoromethane	50		U
75-01-4	Vinyl chloride	50		U
75-00-3	Chloroethane	50		U
75-09-2	Methylene chloride	50		U
75-69-4	Trichlorofluoromethane	50		U
75-35-4	1,1-Dichloroethene	50		U
75-34-3	1,1-Dichloroethane	50		U
540-59-0	trans-1,2-Dichloroethene	50		U
67-66-3	Chloroform	50		U
107-02-2	1,2-Dichloroethane	50		U
71-55-6	1,1,1-Trichloroethane	50	75	
56-23-5	Carbon tetrachloride	50		U
75-27-4	Bromodichloromethane	50		U
78-87-5	1,2-Dichloropropane	50		U
10061-01-5	cis-1,3-Dichloropropene	50		U
79-01-6	Trichloroethene	50		U
124-48-1	Dibromochloromethane	50		U
10061-02-6	trans-1,3-Dichloropropene	50		U
79-00-5	1,1,2-Trichloroethane	50		U
100-75-8	2-Chloroethylvinyl ether	50		U
75-25-2	Bromoform	50		U
79-34-5	1,1,2,2-Tetrachloroethane	50		U
127-18-4	Tetrachloroethene	50	53	
108-90-7	Chlorobenzene	50		U
541-73-1	1,3-Dichlorobenzene	50		U
95-50-1	1,2-Dichlorobenzene	50		U
106-46-7	1,4-Dichlorobenzene	50		U

PCB ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp.      Lab Number: 87828-003  
Project Name:      Date Collected: 5/30/90  
Sample Location: Group 3/ Reddish Clear      Date Received: 5/30/90  
   Liquid      Date Extracted: 6/8/90  
Matrix: Waste Oils      Date Analyzed: 6/20/90  
Method: EPA 608      Report Date: 7/18/90

CAS NO.	COMPOUND	Detection Limit ug/l	Conc. ug/l	Data Qualifier
12674-11-2	Arochlor-1016	3500		U
11104-28-2	Arochlor-1221	3500		U
11141-16-5	Arochlor-1232	3500		U
53469-21-9	Arochlor-1242	3500		U
12672-29-6	Arochlor-1248	3500		U
11097-69-1	Arochlor-1254	7000		U
11096-82-5	Arochlor-1260	7000		U

Inorganics Analysis Data Sheet

Client Name: MOODNA CREEK DEVELOPMENT CORP

Sample Number: 87828-003

Project Name: STANDARD

Date Collected: 30-MAY-90

Matrix: 2 GW/WW

Date Received: 30-MAY-90

Sample Location: GROUP 3/REDDISH CLEAR LIQUID

Comments:

Analysis	Result	Units	Method	Analyzed
AG	<0.01	MG/L	SW846 6010	29-JUN-90
AS	<5.0	UG/L	SW846 7060	02-JUL-90
BA	<0.05	MG/L	SW846 6010	29-JUN-90
CD	<0.005	MG/L	SW846 6010	29-JUN-90
CR	<0.01	MG/L	SW846 6010	29-JUN-90
EPTOX-EXT			SW846 1310	15-JUN-90
FP	>200	F	SW846 1010	11-JUN-90
HG	0.68	UG/L	SW846 7470	21-JUN-90
PAINT	100	%	SW846 9095	11-JUL-90
PB	<0.05	MG/L	SW846 6010	29-JUN-90
SE	<5.0	UG/L	SW846 7740	03-JUL-90

Remarks:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp.      Lab Number: 87828-002  
Project Name:      Date Collected: 5/30/90  
Sample Location: Group 2/White Oily      Date Received: 5/30/90  
   Liquid      Date Analyzed: 6/15-7/15/90  
Matrix: Waste Oils      Report Date: 7/19/90  
Method: 8010

CAS NO.	COMPOUND	Detection Limit ug/l	Conc. ug/l	Data Qualifier
74-87-3	Chloromethane	50		U
74-83-9	Bromomethane	50		U
75-71-8	Dichlorodifluoromethane	50		U
75-01-4	Vinyl chloride	50		U
75-00-3	Chloroethane	50		U
75-09-2	Methylene chloride	50		U
75-69-4	Trichlorofluoromethane	50		U
75-35-4	1,1-Dichloroethene	50		U
75-34-3	1,1-Dichloroethane	50		U
540-59-0	trans-1,2-Dichloroethene	50		U
67-66-3	Chloroform	50		U
107-02-2	1,2-Dichloroethane	50		U
71-55-6	1,1,1-Trichloroethane	50	110	
56-23-5	Carbon tetrachloride	50	95	
75-27-4	Bromodichloromethane	50		U
78-87-5	1,2-Dichloropropane	50		U
10061-01-5	cis-1,3-Dichloropropene	50		U
79-01-6	Trichloroethene	50	120	
124-48-1	Dibromochloromethane	50		U
10061-02-6	trans-1,3-Dichloropropene	50		U
79-00-5	1,1,2-Trichloroethane	50		U
100-75-8	2-Chloroethylvinyl ether	50		U
75-25-2	Bromoform	50		U
79-34-5	1,1,2,2-Tetrachloroethane	50		U
127-18-4	Tetrachloroethene	50		U
108-90-7	Chlorobenzene	50		U
541-73-1	1,3-Dichlorobenzene	50		U
95-50-1	1,2-Dichlorobenzene	50		U
106-46-7	1,4-Dichlorobenzene	50		U

PCB ORGANICS ANALYSIS DATA SHEET

Client Name: Moodna Creek Develop. Corp.      Lab Number: 87828-002  
Project Name:      Date Collected: 5/30/90  
Sample Location: Group 2/ White Oily      Date Received: 5/30/90  
   Liquid      Date Extracted: 6/8/90  
Matrix: Waste Oils      Date Analyzed: 6/20/90  
Method: EPA 608      Report Date: 7/18/90

CAS NO.	COMPOUND	Detection Limit ug/l	Conc. ug/l	Data Qualifier
12674-11-2	Arochlor-1016	5000		U
11104-28-2	Arochlor-1221	5000		U
11141-16-5	Arochlor-1232	5000		U
53469-21-9	Arochlor-1242	5000		U
12672-29-6	Arochlor-1248	5000		U
11097-69-1	Arochlor-1254	5000		U
11096-82-5	Arochlor-1260	5000		U

Inorganics Analysis Data Sheet

Client Name: MOODNA CREEK DEVELOPMENT CORP

Sample Number: 87828-002

Project Name: STANDARD

Date Collected: 30-MAY-90

Matrix: 2 GW/WW

Date Received: 30-MAY-90

Sample Location: GROUP 2/WHITE OILY LIQUID

Comments:

Analysis	Result	Units	Method	Analyzed
AG	<0.01	MG/L	SW846 6010	21-JUN-90
AS	<5.0	UG/L	SW846 7060	28-JUN-90
BA	<0.5	MG/L	SW846 6010	21-JUN-90
CD	<0.01	MG/L	SW846 6010	21-JUN-90
CR	<0.01	MG/L	SW846 6010	21-JUN-90
EPTOX-EXT			SW846 1310	15-JUN-90
FP	76	F	SW846 1010	08-JUN-90
HG	<0.4	UG/L	SW846 7470	21-JUN-90
PAINT	100	%	SW846 9095	11-JUL-90
PB	<5.0	UG/L	SW846 7421	25-JUN-90
SE	<5.0	UG/L	SW846 7740	03-JUL-90

Remarks:

SOIL

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ANALYTICAL REPORT

Company:

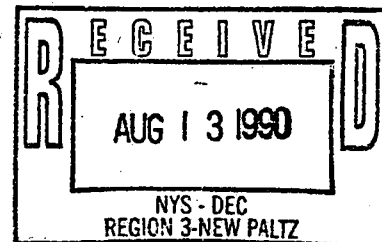
Jacobowitz Gubitz

158 Orange Avenue

Walden

NY

12586



JAN 30 1992

Report Summary

Report Date: 25-MAY-90

Project: STANDARD

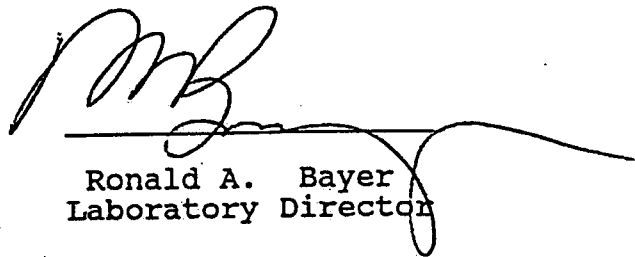
Lab Number: 86674

Sample Number(s): 86674-001

to

86674-006

MAY 29 1990  
RECEIVED

  
Ronald A. Bayer  
Laboratory Director

Inorganics Analysis Data Sheet

Client Name: JACOBOWITZ & GUBITS

Sample Number: 86674-001

Project Name: STANDARD

Date Collected: 25-APR-90

Matrix: 3 Soil/Sldg

Date Received: 25-APR-90

Sample Location: AREA A SURFACE COMPOSITE

Comments: MAJESTIC WEAVING

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Analyzed</u>
PSOL	73.4	%	EPA 160.3	26-APR-90
TPH-418	17000	MG/KG DRY	418.1	04-MAY-90

Remarks:



Inorganics Analysis Data Sheet

Client Name: JACOBOWITZ &amp; GUBITS

Sample Number: 86674-003

Project Name: STANDARD

Date Collected: 25-APR-90

Matrix: 3 Soil/Sldg

Date Received: 25-APR-90

Sample Location: AREA 2 SURFACE COMPOSITE

Comments: MAJESTIC WEAVING

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Analyzed</u>
PSOL	60.7	%	EPA 160.3	26-APR-90
TPH-418	910	MG/KG DRY	418.1	04-MAY-90

Remarks:

VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: Jacobowitz & Curtis

Lab Number: 86674-003

Project Name: Moodna Development, LTD.

Date Collected: 4/25/90

Sample Location: Area 2, Surface Comp.

Date Received: 4/25/90

Matrix: Soil

Date Analyzed: 5/9/90

Method: EPA 624

Report Date: 5/24/90

CAS NO.	COMPOUND	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
74-87-3	Chloromethane	164		U
74-83-9	Bromomethane	164		U
75-01-4	Vinyl chloride	164		U
75-00-3	Chloroethane	164		U
75-09-2	Methylene chloride	82		U
75-69-4	Trichlorofluoromethane	82		U
75-35-4	1,1-Dichloroethene	82		U
75-34-3	1,1-Dichloroethane	82		U
540-59-0	trans-1,2-Dichloroethene	82		U
67-66-3	Chloroform	82		U
107-02-2	1,2-Dichloroethane	82		U
71-55-6	1,1,1-Trichloroethane	82		U
56-23-5	Carbon tetrachloride	82		U
75-27-4	Bromodichloromethane	82		U
78-87-5	1,2-Dichloropropane	82		U
10061-01-5	cis-1,3-Dichloropropene	82		U
79-01-6	Trichloroethene	82		U
71-43-2	Benzene	82		U
124-48-1	Dibromochloromethane	82		U
10061-02-6	trans-1,3-Dichloropropene	82		U
79-00-5	1,1,2-Trichloroethane	82		U
100-75-8	2-Chloroethylvinyl ether	82		U
75-25-2	Bromoform	82		U
79-34-5	1,1,2,2-Tetrachloroethane	82		U
127-18-4	Tetrachloroethene	82		U
108-88-3	Toluene	82		U
108-90-7	Chlorobenzene	82		U
100-41-4	Ethylbenzene	82	38	J
541-73-1	1,3-Dichlorobenzene	82		U
95-50-1	1,2-Dichlorobenzene	82	.038	U
106-46-7	1,4-Dichlorobenzene	82		U

OK

Inorganics Analysis Data Sheet

Client Name: JACOBOWITZ & GUBITS

Sample Number: 86674-004

Project Name: STANDARD

Date Collected: 25-APR-90

Matrix: 3 Soil/Sldg

Date Received: 25-APR-90

Sample Location: AREA 2 12"HOLE COMPOSITE

Comments: MAJESTIC WEAVING

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Analyzed</u>
PSOL	78.3	%	EPA 160.3	26-APR-90
TPH-418	<32	MG/KG DRY	418.1	04-MAY-90

Remarks:

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: Jacobowitz &amp; Curtis

Lab Number: 86674-004

Project Name: Moodna Development, LTD.

Date Collected: 4/25/90

Sample Location: Area 2, 12" Hole Comp.

Date Received: 4/25/90

Matrix: Soil

Date Analyzed: 5/9/90

Method: EPA 624

Report Date: 5/24/90

CAS NO.	COMPOUND	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
74-87-3	Chloromethane	12.8		U
74-83-9	Bromomethane	12.8		U
75-01-4	Vinyl chloride	12.8		U
75-00-3	Chloroethane	12.8		U
75-09-2	Methylene chloride	6.4		U
75-69-4	Trichlorofluoromethane	6.4		U
75-35-4	1,1-Dichloroethene	6.4		U
75-34-3	1,1-Dichloroethane	6.4		U
540-59-0	trans-1,2-Dichloroethene	6.4		U
67-66-3	Chloroform	6.4		U
107-02-2	1,2-Dichloroethane	6.4		U
71-55-6	1,1,1-Trichloroethane	6.4		U
56-23-5	Carbon tetrachloride	6.4		U
75-27-4	Bromodichloromethane	6.4		U
78-87-5	1,2-Dichloropropane	6.4		U
10061-01-5	cis-1,3-Dichloropropene	6.4		U
79-01-6	Trichloroethene	6.4		U
71-43-2	Benzene	6.4		U
124-48-1	Dibromochloromethane	6.4		U
10061-02-6	trans-1,3-Dichloropropene	6.4		U
79-00-5	1,1,2-Trichloroethane	6.4		U
100-75-8	2-Chloroethylvinyl ether	6.4		U
75-25-2	Bromoform	6.4		U
79-34-5	1,1,2,2-Tetrachloroethane	6.4		U
127-18-4	Tetrachloroethene	6.4		U
108-88-3	Toluene	6.4		U
108-90-7	Chlorobenzene	6.4		U
100-41-4	Ethylbenzene	6.4		U
541-73-1	1,3-Dichlorobenzene	6.4		U
95-50-1	1,2-Dichlorobenzene	6.4		U
106-46-7	1,4-Dichlorobenzene	6.4		U

11

0.011 ppm  
exempt?  
where did  
it come from.  
listed waste  
(cont from)

Inorganics Analysis Data Sheet

Client Name: JACOBOWITZ & GUBITS

Sample Number: 86674-005

Project Name: STANDARD

Date Collected: 25-APR-90

Matrix: 3 Soil/Sldg

Date Received: 25-APR-90

Sample Location: AREA 3 SURFACE COMPOSITE

Comments: MAJESTIC WEAVING

Analysis	Result	Units	Method	Analyzed
PSOL	76.8	%	EPA 160.3	26-APR-90
TPH-418	31000	MG/KG DRY	418.1	04-MAY-90

Remarks:

# VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: Jacobowitz & Curtis

Lab Number: 86674-005

Project Name: Moodna Development, LTD.

Date Collected: 4/25/90

Sample Location: Area 3, Surface Comp.

Date Received: 4/25/90

Matrix: Soil

Date Analyzed: 5/9/90

Method: EPA 624

Report Date: 5/24/90

CAS NO.	COMPOUND	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
74-87-3	Chloromethane	13		U
74-83-9	Bromomethane	13		U
75-01-4	Vinyl chloride	13		U
75-00-3	Chloroethane	13		U
75-09-2	Methylene chloride	6.5		U
75-69-4	Trichlorofluoromethane	6.5		U
75-35-4	1,1-Dichloroethene	6.5		U
75-34-3	1,1-Dichloroethane	6.5		U
540-59-0	trans-1,2-Dichloroethene	6.5		U
67-66-3	Chloroform	6.5		U
107-02-2	1,2-Dichloroethane	6.5		U
71-55-6	1,1,1-Trichloroethane	6.5	.013	U
56-23-5	Carbon tetrachloride	6.5		U
75-27-4	Bromodichloromethane	6.5		U
78-87-5	1,2-Dichloropropane	6.5		U
10061-01-5	cis-1,3-Dichloropropene	6.5		U
79-01-6	Trichloroethene	6.5		U
71-43-2	Benzene	6.5	.1-6 DO <sub>3</sub> wet a <sub>2</sub> apt.	J
124-48-1	Dibromochloromethane	6.5		U
10061-02-6	trans-1,3-Dichloropropene	6.5		U
79-00-5	1,1,2-Trichloroethane	6.5		U
100-75-8	2-Chloroethylvinyl ether	6.5		U
75-25-2	Bromoform	6.5		U
79-34-5	1,1,2,2-Tetrachloroethane .7	6.5		U
127-18-4	Tetrachloroethene .7	6.5	13	
108-88-3	Toluene	6.5	5.7	J
108-90-7	Chlorobenzene	6.5		U
100-41-4	Ethylbenzene	6.5	9.1	
541-73-1	1,3-Dichlorobenzene	6.5		U
95-50-1	1,2-Dichlorobenzene	6.5		U
106-46-7	1,4-Dichlorobenzene	6.5		U

TCLP limits

VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: Jacobowitz & Curtis

Lab Number: 86674-006

Project Name: Moodna Development, LTD.

Date Collected: 4/25/90

Sample Location: Area 3, 12" Hole Comp.

Date Received: 4/25/90

Matrix: Soil

Date Analyzed: 5/9/90

Method: EPA 624

Report Date: 5/24/90

CAS NO.	COMPOUND	Detection Limit ug/kg	Conc. ug/kg	Data Qualifier
74-87-3	Chloromethane	560		U
74-83-9	Bromomethane	560		U
75-01-4	Vinyl chloride	560		U
75-00-3	Chloroethane	560		U
75-09-2	Methylene chloride	280		U
75-69-4	Trichlorofluoromethane	280		U
75-35-4	1,1-Dichloroethene	280		U
75-34-3	1,1-Dichloroethane	280		U
540-59-0	trans-1,2-Dichloroethene	280		U
67-66-3	Chloroform	280		U
107-02-2	1,2-Dichloroethane	280		U
71-55-6	1,1,1-Trichloroethane	280		U
56-23-5	Carbon tetrachloride	280		U
75-27-4	Bromodichloromethane	280		U
78-87-5	1,2-Dichloropropane	280		U
10061-01-5	cis-1,3-Dichloropropene	280		U
79-01-6	Trichloroethene	280		U
71-43-2	Benzene	280		U
124-48-1	Dibromochloromethane	280		U
10061-02-6	trans-1,3-Dichloropropene	280		U
79-00-5	1,1,2-Trichloroethane	280		U
100-75-8	2-Chloroethylvinyl ether	280		U
75-25-2	Bromoform	280		U
79-34-5	1,1,2,2-Tetrachloroethane	280		U
127-18-4	Tetrachloroethene	280		U
108-88-3	Toluene	280		U
108-90-7	Chlorobenzene	280		U
100-41-4	Ethylbenzene	280		U
541-73-1	1,3-Dichlorobenzene	280		U
95-50-1	1,2-Dichlorobenzene	280		U
106-46-7	1,4-Dichlorobenzene	280		U

Inorganics Analysis Data Sheet

Client Name: JACOBOWITZ & GUBITS

Sample Number: 86674-006

Project Name: STANDARD

Date Collected: 25-APR-90

Matrix: 3 Soil/Sldg

Date Received: 25-APR-90

Sample Location: AREA 3 12" HOLE COMPOSITE

Comments: MAJESTIC WEAVING

<u>Analysis</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Analyzed</u>
PSOL	88.8	%	EPA 160.3	26-APR-90
TPH-418	9000	MG/KG DRY	418.1	04-MAY-90

Remarks:





# INSPECTION FORM

Region:  
LAND BASED TSDF  
COMMERCIAL TSDF  
OTHER TSDF  
TC GENERATOR  
OTHER GENERATOR

31

NEW YORK STATE INDUSTRIAL HAZARDOUS WASTE MANAGEMENT ACT  
(Chapter 639, Laws of 1978)

Prepared for:

Commissioner  
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Send to: Division of Hazardous Substances Regulation  
Compliance Inspection Section  
50 Wolf Road - Room 208  
Albany, New York 12233-7252

EPA I.D. NUMBER: NY 0001701382

COMPANY NAME (Corporate): Majestic Weaving

(Division): (AKA) Moodna Creek Development

COMPANY MAILING ADDRESS: Jacobowitz and Gubitz

158 Orange Ave PO Box 367

City & State Walden, NY Zip Code 12586-036

COMPANY LOCATION ADDRESS: 2 Mill St

(if different than mailing)

City & State Cornwall, NY Zip Code 12518

COMPANY TELEPHONE NUMBER: (914) 778-2121 Extension \_\_\_\_\_

FULL NAME OF COMPANY CONTACT: (Mr.) (Ms.) Douglas Zamelis Esq.

TITLE OF COMPANY CONTACT: Attorney representing property owner

INSPECTION DATE: 10/18/1991 TIME OF INSPECTION: 10 (a.m.) \_\_\_\_\_ (p.m.)

INSPECTOR'S NAME: William A. Buskey

TITLE: Solid Waste Mgt Specialist I

NAME: \_\_\_\_\_

TITLE: \_\_\_\_\_

REPORT PREPARED BY: William A. Buskey DATE: 10/19/91

REPORT APPROVED BY: [Signature] DATE: 10/22/91

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## PART I

General Information and Classification of Facility1. Identification of Hazardous Waste - 371YesNo

A. Is there reason to believe the facility has hazardous waste on-site? If yes, check appropriate box/boxes.

X

(1) ☐ Company recognizes that its waste is hazardous during the inspection.

(2) ☒ Company admitted the waste is hazardous in its RCRA notification and/or Part A permit application.

(3) ☐ Testing has shown characteristics of:

- ( ) Ignitability (D001) - 371.3(b)
- ( ) Corrosivity (D002) - 371.3(c)
- ( ) Reactivity (D003) - 371.3(d)
- ( ) EP Toxicity (D004 - 017) - 371.3(e)

(4) ☐ The material is listed in the regulations as a hazardous waste from non-specific sources (F-Waste). 371.4(b)

(5) ☐ The waste is listed in the regulations as a hazardous waste from specific sources (K-Waste). 371.4(c)

(6) ☐ The material or product is listed in the regulations as discarded commercial chemical products, off-specification species, container residues and spill residues thereof (P & U Wastes). 371.4(d).

(7) ☐ The material is listed in the regulations as a waste containing PCBs. 371.4(e).

B. Is there reason, other than those above, for you to believe that there is hazardous waste on site? (Explain) Yes. Lagoons

were tested in 1985 and were shown to contain halogenated solvents in the lagoon water.

3/91

C. The handler notified EPA as a:

Generator - TSD

Has EPA or DEC officially modified the handlers status? If so, attach correspondence.

NO

D. If the facility is a treatment, storage or disposal facility, have they:

☒ Submitted a Part A application.

☐ Should the Part A be modified by the Company? If so, explain.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

☒ Been granted a Part B permit.\*

☐ Submitted a Part 373 permit application.

☐ Been granted a Part 373 permit.\*

If so, when does it expire: \_\_\_\_\_

\*Complete Appendix M - indicate compliance status with permit conditions.

E. Describe the activities that result in the generation of hazardous waste. Include manufacturing processes that generate hazardous waste.

The site is currently an industrial condominium for light  
industry and warehousing. when Majestic Weaving was  
in operation they operated lagoons which were identified  
as hazardous waste treatment units in their Part  
A application

F. Identify the hazardous wastes that are on-site, the quantity of each, and the storage method (be as specific as possible).

Accumulation Areas:

NA

90 day Storage Areas:

NA

Permitted Storage Areas:

The drum of nail lacquer on-site during  
last years inspection was still on-site. This is a  
partially full (approx 1/4) 55 gallon drum marked  
Avon Products and Decorative Industries.

## 2. Status Identification:

A. NA Transporter - complete Appendix B

### B. Generator Status Identification

1. NA Category 1 - Conditionally Exempt Generator - generates less than 100 kg/mo and stores less than 100 kg. - 372.1(e)(1)(vii)(a) Complete Part II, 1A.
2.    Category 2 - Small Quantity Generator - generates less than 100 kg/mo and stores more than 100 kg but less than 1,000 kg. - 372.2(a)(8)(vi) - Complete Part II, 1B.
3.    Category 3 - Generator Subject to Reduced Requirements - generates more than 100 kg/mo but less than 1,000 kg/mo and stores less than 1,000 kg. - 372.2(a)(8)(iii) - Complete Part II, 1C.
4.    Category 4 - Generator - generates and/or stores 1,000 kilograms or more per month or generates acute hazardous waste in quantities greater than those specified in Part 372.1(e)(1)(v). Complete Part II, Questions 2-7. (Generators over sole source aquifers also complete Appendix A.)

### C. Treatment, Storage or Disposal Facility Status

1. Hazardous waste is generated and stored on-site. If so:
  - (a) Yes Is hazardous waste stored on-site longer than 90 days? 373-1.1(d)(1)(iii) - If yes, complete Appendix A.\*
  - (b)    Is more than 8,800 gallons of hazardous waste stored in containers? 373-1.1(d)(1)(iii)(a) - If yes, complete Appendix A.\*
  - (c)    Is more than 20,000 gallons of hazardous waste stored in tanks? 373-1.1(d)(1)(iii)(b) - If yes, complete Appendix A.\*

\* (Note: Do not complete Appendix A for generators only that have exceeded 90 days or quantity limits.)
2.    Hazardous waste is received from off-site and not beneficially used, reused or legitimately recycled or stored. If yes, complete Appendix A.
3. Yes Hazardous waste is treated on-site. If yes, complete appropriate portion of this report.

4. Yes Hazardous waste is disposed of on-site. If yes, complete appropriate portion of this report.

3. Exemptions

A. Generator Exemptions

- (1) Yes Not a regulated handler.
- (2) Yes Samples collected for testing. 372.1(e)(5)
- (3) Yes Residues of hazardous waste in empty containers. 372.1(e)(6)
- (4) Yes A hazardous waste which is generated in a product or raw material storage tank, a product or raw material transport vehicle or vessel, a product or raw material pipeline, or in a manufacturing process unit or an associated non-waste treatment manufacturing unit is not subject to regulation until it exits the unit in which it was generated, unless the unit is a surface impoundment, or unless the hazardous waste remains in the unit more than 90 days after the unit ceases to be operated for manufacturing, or for storage or transportation of product or raw materials. 372.1(e)(7).

B. TSD Exemptions

1. TSD exemptions

- (a) Yes Recycling of Hazardous Wastes: 373-1.1(d)(1)(viii). Parts 373-2.2(c), 372.4(b), 372.4(d)(1) must be complied with (Storage of wastes prior to recycling is not exempt under this subparagraph.) In addition:
  - This exemption does not apply to commercial facilities which recycle listed hazardous wastes or hazardous waste sludges received from off-site or burn these wastes for energy recovery;
  - Commercial facilities that reclaim precious metals from hazardous wastes do qualify;
  - This exemption does not apply to boiler and industrial furnaces that burn hazardous wastes for energy recovery if the waste stream has a heat value of less than 8,000 BTU/lb.

(b) ~~AA~~ The storage of the following hazardous wastes is exempt from permitting provided that Part 374 of this Title is complied with: 373-1.1(d)(1)(vii).

- hazardous wastes that are recycled in a manner constituting disposal;
- hazardous waste burned for energy recovery in boilers and industrial furnaces that are not regulated under section 373-2.15 or 373-3.15 of this Part. This exemption is not available if the hazardous waste stream has individual hazardous waste components with little or no heat value (less than 8,000 BTU/lb);
- hazardous waste from which precious metals (as defined in section 374.6 of this Title) are being reclaimed; and
- spent lead acid batteries that are being reclaimed by battery crackers or secondary lead smelters.

(c) — Totally enclosed treatment facility - 373-1.1(d)(1)(xi).

(d) — Elementary neutralization units or wastewater treatment units other than units located at commercial facilities. Units utilized only to neutralize or treat hazardous waste from recycling characteristic hazardous wastes or for precious metal recovery at commercial facilities are exempt. 373-1.1(d)(1)(xii) (Complete Appendix Q).

(e) — Storage of hazardous waste generated and stored on-site for 90 days or less and 8,800 gallons or less is stored in containers or 20,000 gallons or less is stored in tanks. 373-1.1(d)(1)(iii).

(f) — Storage of liquid hazardous waste over the designated sole source aquifers provided the waste is stored less than 90 days and 8,800 gallons or less is stored in containers or 20,000 gallons or less is stored in tanks. 373-1.1(d)(1)(iv).



- (g) — Storage and treatment of hazardous waste on-site of generation if generates less than 100 kilograms and stores less than 1,000 kilograms of hazardous waste in each calendar month and not generate or store acute hazardous waste as described in 373-1.1(d)(1)(i)(b). 373-1.1(d)(1)(v). *NA*
- (h) — Accumulation areas. Complete Part II: 3A. 373-1.1(d)(1)(xiv).
- (i) — Storage of manifested shipments of hazardous waste in containers or vehicles by a transporter at its own transfer facility for 5 days or less. Complete Appendix B. 373-1.1(d)(1)(xv).

PART III

Comments, Conclusions and Recommendations Section

Facility Name Majestic Weaving (AKA) Moodna Creek Dev.

EPA I.D. No. N Y 0 0 0 1 7 0 1 3 8 2

Date of Inspection 10/8/91

General Comments and Conclusions (cite appropriate State regulations in violation and attach additional sheets and other information as required)

The only RCRA issue remaining at this site involves closure of the lagoons. This site is on the D.H.W.R. Inactive Hazardous Waste Registry. This site has two (2) lagoons that have been shown to contain halogenated solvents. The synthetic liners of these lagoons are torn in several places and are in poor shape.

This site is listed as a class 2a site on the Registry. On 11/14/90 ~~the~~ the 10/25/90 inspection report was referred to D.H.W.R. for handling. There has been no change to the lagoons with the exception that the gate to the lagoons was locked this year so site security was better.

3/91

**URS**

AN INTERNATIONAL PROFESSIONAL SERVICES ORGANIZATION

JOB NO. 36231-50

JOB NAME

Majestic**MEMO OF TELECON**

DATE

4/14/92

TELEPHONE

914-255 5453

PERSON CALLING

Phyllis Keltke

PERSON CALLED

Rob Smith

REPRESENTING

URS

REPRESENTING

NYSD&C Region 3

PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED:

**TEXT OF TELECON**

The drum removal was handled by Mr. Isaac Landau (Cornwall Housing, Inc.)

Mr. Elk. Klausz hired a contractor who oversaw bulk loading of liquid and grease hazardous waste.

Work was done on 9/27/90 under lpa

# NYP 0009 00217

Testing of soils and waste was done by Enviritest Labs.

one of The site owners is totally responsible for characterizing these wastes.

## APPENDIX B

*Site Inspection Report*  
*USEPA Form 2070-13*



# Site Inspection Report



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE NY 02 SITE NUMBER D0017013823

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Majestic Weaving		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 2 Mill Street			
03 CITY Cornwall		04 STATE NY	05 ZIP CODE 12518	06 COUNTY Orange	07 COUNTY CODE 08 CONG DIST
09 COORDINATES LATITUDE 41° 28' 20" LONGITUDE 74° 02' 52"		10 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER <input type="checkbox"/> G. UNKNOWN			

III. INSPECTION INFORMATION

01 DATE OF INSPECTION 11 / 15 / 90 MONTH DAY YEAR	02 SITE STATUS <input type="checkbox"/> ACTIVE <input checked="" type="checkbox"/> INACTIVE	03 YEARS OF OPERATION unknown 1982 BEGINNING YEAR ENDING YEAR	
04 AGENCY PERFORMING INSPECTION (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. MUNICIPAL <input type="checkbox"/> D. MUNICIPAL CONTRACTOR <input type="checkbox"/> E. STATE <input checked="" type="checkbox"/> F. STATE CONTRACTOR URS Consultants, Inc. <input type="checkbox"/> G. OTHER			

05 CHIEF INSPECTOR Robert Kreuzer	06 TITLE Geologist	07 ORGANIZATION URS	08 TELEPHONE NO. (716) 883-5525
09 OTHER INSPECTORS Keith Browne	10 TITLE Jr. Engineer	11 ORGANIZATION NYSDEC	12 TELEPHONE NO. (914) 255-5443
			( )
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED Douglas Zamelis	14 TITLE Attorney	15 ADDRESS 158 Orange Avenue Walden, New York	16 TELEPHONE NO. (914) 778-2121
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one) <input checked="" type="checkbox"/> PERMISSION <input type="checkbox"/> WARRANT	18 TIME OF INSPECTION 3PM	19 WEATHER CONDITIONS Sunny 60°
--	------------------------------	------------------------------------

IV. INFORMATION AVAILABLE FROM

01 CONTACT Phyllis Rettke	02 OF (Agency/Organization) URS Consultants, Inc.		03 TELEPHONE NO. ( )
04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM Same	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO. 08 DATE 3 / 18 / 91 MONTH DAY YEAR



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE NY 02 SITE NUMBER D0017013823

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ☐ A. SOLID ☐ E. SLURRY  
☐ B. POWDER, FINES ☒ F. LIQUID  
☐ C. SLUDGE ☐ G. GAS  
☐ D. OTHER (Specify) \_\_\_\_\_

02 WASTE QUANTITY AT SITE

(Measure of waste quantities must be independent)

TONS \_\_\_\_\_

CUBIC YARDS \_\_\_\_\_

NO. OF DRUMS unknown

03 WASTE CHARACTERISTICS (Check all that apply)

- ☒ A. TOXIC ☐ E. SOLUBLE ☐ I. HIGHLY VOLATILE  
☐ B. CORROSIVE ☐ F. INFECTIOUS ☐ J. EXPLOSIVE  
☐ C. RADIOACTIVE ☐ G. FLAMMABLE ☐ K. REACTIVE  
☒ D. PERSISTENT ☐ H. IGNITABLE ☐ L. INCOMPATIBLE  
☐ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	1,700	cubic yards	Sludge in Lagoons
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently used CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
	Therminol Heat Transfer Fluid	68855-243	in lagoons then POTW	unknown	
	Spent Halogenated Solvents		as above	unknown	
	Spent Non-Halogenated Solvents		as above	unknown	
	Soluble Cyanide Salts		as above	unknown	
	2 Propanone (1)		as above	unknown	
	Methane Trichlorofluoro		as above	unknown	
	Formaldehyde		as above	unknown	
	Methanol (1)		as above	unknown	
	Thiourea		as above	unknown	
	Toluene		as above	unknown	

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., MSDS files, laboratory analysis, reports)

NYSDEC Files

RCRA Part A form.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE NY 02 SITE NUMBER D0017013823

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 1,600 04 NARRATIVE DESCRIPTION

26% of the population in the Town of Cornwall uses private residential wells. The location of these wells is not documented in the 1980 Census.

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

Due to the proximity of the site to Moodna Creek and the hazardous nature of some materials onsite, there is a potential for contamination of the creek.

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

None reported

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

unknown

01 ☒ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: unknown 04 NARRATIVE DESCRIPTION

Contaminated soil remains onsite.

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 AREA POTENTIALLY AFFECTED: \_\_\_\_\_ (Acres) 04 NARRATIVE DESCRIPTION

Soil sampled in 3 areas onsite.

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 1600 04 NARRATIVE DESCRIPTION

See IIA above

01 ☐ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 WORKERS POTENTIALLY AFFECTED: unknown 04 NARRATIVE DESCRIPTION

Site is currently closed, owned by an "Industrial Condo" which is group of business who own different portions of the property but hold the land in common. See Part 7 for the individual owners names.

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

unknown





POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION  
01 STATE 02 SITE NUMBER  
NY D0017013823

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

None reported

01 ☐ K. DAMAGE TO FAUNA  
04 NARRATIVE DESCRIPTION (include names of species)

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

None reported

01 ☒ L. CONTAMINATION OF FOOD CHAIN  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

Any contaminants leaving the site with the groundwater and entering Moodna Creek has the potential to contaminate the food chain.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES  
(Spills, Runoff, Standing liquids, Leaking drums)

02 ☒ OBSERVED (DATE: 11/90)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

04 NARRATIVE DESCRIPTION

Areas of stained soil which indicate previous spills onsite.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

None reported

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

Site wastewater is discharged to the Town of New Windsor Sewage Treatment Plant.

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

None reported

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

The lagoons onsite contain a layer of sludge. The lagoon's plastic liner is torn and there is the potential for contaminants in the sludge to enter the groundwater and eventually Moodna Creek.

III. TOTAL POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

IV. COMMENTS

V. SOURCES OF INFORMATION (Give specific references, e.g., State files, Sample analysis, Reports)

Site inspection, 11/15/90  
US Dept of Commerce, 1980 Census



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION  
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE NY 02 SITE NUMBER D0017013823

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
<input type="checkbox"/> A. NPDES				
<input type="checkbox"/> B. UIC				
<input checked="" type="checkbox"/> C. AIR	3324890202			
<input type="checkbox"/> D. RCRA				
<input type="checkbox"/> E. RCRA INTERIM STATUS				
<input type="checkbox"/> F. SPCC PLAN				
<input type="checkbox"/> G. STATE (Specify) SPDES	0005967	7/3/69	7/3/74	expiration date may have
<input type="checkbox"/> H. LOCAL (Specify)				been extended
<input type="checkbox"/> I. OTHER (Specify)				
<input type="checkbox"/> J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE	04 TREATMENT (Check all that apply)	05 OTHER
<input checked="" type="checkbox"/> A. SURFACE IMPOUNDMENT	unknown		<input type="checkbox"/> A. INCINERATION	<input checked="" type="checkbox"/> A. BUILDINGS ON SITE
<input type="checkbox"/> B. PILES			<input type="checkbox"/> B. UNDERGROUND INJECTION	
<input checked="" type="checkbox"/> C. DRUMS, ABOVE GROUND		all removed	<input type="checkbox"/> C. CHEMICAL/PHYSICAL	
<input type="checkbox"/> D. TANK, ABOVE GROUND			<input type="checkbox"/> D. BIOLOGICAL	
<input checked="" type="checkbox"/> E. TANK, BELOW GROUND	unknown		<input type="checkbox"/> E. WASTE OIL PROCESSING	
<input type="checkbox"/> F. LANDFILL			<input type="checkbox"/> F. SOLVENT RECOVERY	
<input type="checkbox"/> G. LANDFARM			<input type="checkbox"/> G. OTHER RECYCLING/RECOVERY	
<input type="checkbox"/> H. OPEN DUMP			<input type="checkbox"/> H. OTHER (Specify)	
<input checked="" type="checkbox"/> I. OTHER Lagoon (Specify)	1700 cu. yds.			06 AREA OF SITE 70 (Acres)

07 COMMENTS

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A. ADEQUATE, SECURE ☐ B. MODERATE ☒ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, Diking, LINERS, BARRIERS, ETC.

Most drums have been removed from the facility. Two lined lagoons remain onsite. While most of the supernatant has been drained, a small amount of liquid and sludge and remain. Condition of the liner is unknown.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☐ YES ☒ NO

02 COMMENTS

Most waste has been removed from the site. Some is contained in the lagoons and in the one area of soil which is considered hazardous.

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, company records, reports)

NYSDEC Files



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE NY 02 SITE NUMBER D0017013823

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)	02 STATUS	03 DISTANCE TO SITE															
<table><tr><td>SURFACE</td><td>WELL</td></tr><tr><td>COMMUNITY A. <input checked="" type="checkbox"/></td><td>B. <input type="checkbox"/></td></tr><tr><td>NON-COMMUNITY C. <input type="checkbox"/></td><td>D. <input checked="" type="checkbox"/></td></tr></table>	SURFACE	WELL	COMMUNITY A. <input checked="" type="checkbox"/>	B. <input type="checkbox"/>	NON-COMMUNITY C. <input type="checkbox"/>	D. <input checked="" type="checkbox"/>	<table><tr><td>ENDANGERED</td><td>AFFECTED</td><td>MONITORED</td></tr><tr><td>A. <input type="checkbox"/></td><td>B. <input type="checkbox"/></td><td>C. <input type="checkbox"/></td></tr><tr><td>D. <input type="checkbox"/></td><td>E. <input type="checkbox"/></td><td>F. <input type="checkbox"/></td></tr></table>	ENDANGERED	AFFECTED	MONITORED	A. <input type="checkbox"/>	B. <input type="checkbox"/>	C. <input type="checkbox"/>	D. <input type="checkbox"/>	E. <input type="checkbox"/>	F. <input type="checkbox"/>	A. <u>&gt;3</u> (mi) B. <u>&lt;3</u> (mi)
SURFACE	WELL																
COMMUNITY A. <input checked="" type="checkbox"/>	B. <input type="checkbox"/>																
NON-COMMUNITY C. <input type="checkbox"/>	D. <input checked="" type="checkbox"/>																
ENDANGERED	AFFECTED	MONITORED															
A. <input type="checkbox"/>	B. <input type="checkbox"/>	C. <input type="checkbox"/>															
D. <input type="checkbox"/>	E. <input type="checkbox"/>	F. <input type="checkbox"/>															

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☒ A. ONLY SOURCE FOR DRINKING ☐ B. DRINKING  
(Other sources available)  
COMMERCIAL, INDUSTRIAL, IRRIGATION  
(No other water sources available) ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION  
(Limited other sources available) ☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER 1600

03 DISTANCE TO NEAREST DRINKING WATER WELL unknown (mi)

04 DEPTH TO GROUNDWATER  
11-50 (ft)

05 DIRECTION OF GROUNDWATER FLOW  
West

06 DEPTH TO AQUIFER  
OF CONCERN  
11-50 (ft)

07 POTENTIAL YIELD  
OF AQUIFER  
unknown (gpd)

08 SOLE SOURCE AQUIFER  
☐ YES ☒ NO

09 DESCRIPTION OF WELLS (including usage, depth, and location relative to population and buildings)

No information regarding construction of residential wells was located during the file search.

10 RECHARGE AREA

☐ YES ☐ NO  
COMMENTS

11 DISCHARGE AREA

☒ YES ☐ NO  
COMMENTS Due to the proximity to Moodna Creek, groundwater discharges to the Creek.

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☒ A. RESERVOIR, RECREATION  
DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY  
IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
Moodna Creek	<input type="checkbox"/>	0.02 (mi)
Hudson River	<input type="checkbox"/>	2 (mi)
	<input type="checkbox"/>	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE TWO (2) MILES OF SITE THREE (3) MILES OF SITE  
A. 1515 B. 6140 C. 13,076  
NO. OF PERSONS NO. OF PERSONS NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION

0.04 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE

1,616

04 DISTANCE TO NEAREST OFF-SITE BUILDING

0.04 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

The immediate vicinity of the site is sparsely populated.

Firthcliff Heights, a suburb of Newburgh is located to the North while Firthcliff, a suburb of the Village of Cornwall is found to the southeast.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
NY D0017013823

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A.  $10^{-6} - 10^{-8}$  cm/sec ☐ B.  $10^{-4} - 10^{-6}$  cm/sec ☒ C.  $10^{-4} - 10^{-3}$  cm/sec ☐ D. GREATER THAN  $10^{-3}$  cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE  
(Less than  $10^{-8}$  cm/sec)  
☒ B. RELATIVELY IMPERMEABLE  
( $10^{-6} - 10^{-8}$  cm/sec)  
☐ C. RELATIVELY PERMEABLE  
( $10^{-2} - 10^{-4}$  cm/sec)  
☐ D. VERY PERMEABLE  
(Greater than  $10^{-2}$  cm/sec)

03 DEPTH TO BEDROCK

11-50 (ft)

04 DEPTH OF CONTAMINATED SOIL ZONE

unknown (ft)

05 SOIL pH

3.6-6.5

06 NET PRECIPITATION

15 (in)

07 ONE YEAR 24 HOUR RAINFALL

4.76 (in)

08 SLOPE

SITE SLOPE

2 %

DIRECTION OF SITE SLOPE

West

TERRAIN AVERAGE SLOPE

20 %

09 FLOOD POTENTIAL

SITE IS IN not in YEAR FLOODPLAIN

10

☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (3 acre minimum)

ESTUARINE

A. NA (mi)

OTHER

B. 0.2 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

\_\_\_\_\_ (mi)

ENDANGERED SPECIES: none reported

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL

A. onsite (mi)

RESIDENTIAL AREAS; NATIONAL/STATE PARKS,  
FORESTS, OR WILDLIFE RESERVES

B. 0.5 (mi)

AGRICULTURAL LANDS  
PRIME AG LAND AG LAND

C. > 2 (mi) D. > 1 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

The site is located on an old stream terrace along Moodna Creek.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., maps, files, reports, etc.)

Dames & Moore, 1984, Groundwater Monitoring Report.

USDA, 1981. Soil Survey of Orange County.



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
NY D0017013823

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	6	unknown	1984
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER Sludge Supernatant	8/2 2	unknown	1987/1988 1987

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
HNu	Readings of 2-4 ppm in areas of stained soil, 11/15/90, Cornwall NY
Radiation meter	No readings above background, 11/15/90, Cornwall, N.Y.

IV. PHOTOGRAPHS AND MAPS

01 TYPE <input checked="" type="checkbox"/> GROUND <input type="checkbox"/> AERIAL	02 IN CUSTODY OF <u>URS Consultants, Inc.</u> <small>(Name of organization or individual)</small>
03 MAPS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	04 LOCATION OF MAPS <u>URS Consultants, 282 Delaware Avenue, Buffalo, N.Y. 14202</u>

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis reports)

NYSDEC files



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
NY D0017013823

II. CURRENT OWNER(S)

PARENT COMPANY (if applicable)

01 NAME Moodna Creek Development			02 D+B NUMBER			08 NAME			09 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 158 Orange Avenue			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE								
05 CITY Walden			06 STATE NY			07 ZIP CODE			12 CITY			13 STATE			14 ZIP CODE		
01 NAME Mill Town Park			02 D+B NUMBER			08 NAME			09 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			12 CITY			13 STATE			14 ZIP CODE		
01 NAME Mr. Landau			02 D+B NUMBER			08 NAME			09 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.) Division St.			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE								
05 CITY Brooklyn			06 STATE NY			07 ZIP CODE 11200			12 CITY			13 STATE			14 ZIP CODE		
01 NAME Mill Park condos			02 D+B NUMBER			08 NAME			09 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			12 CITY			13 STATE			14 ZIP CODE		

III. PREVIOUS OWNER(S) (List most recent first)

IV. REALTY OWNER(S) (if applicable, list most recent first)

01 NAME Majestic Weaving			02 D+B NUMBER			01 NAME			02 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 2 Mill Street			04 SIC CODE			03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE								
05 CITY Cornwall			06 STATE NY			07 ZIP CODE			05 CITY			06 STATE			07 ZIP CODE		
01 NAME Firth Carpet Company			02 D+B NUMBER			01 NAME			02 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.) unknown			04 SIC CODE			03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			05 CITY			06 STATE			07 ZIP CODE		
01 NAME			02 D+B NUMBER			01 NAME			02 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			05 CITY			06 STATE			07 ZIP CODE		

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, aerial photos, reports)



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
NY D0017013823

II. CURRENT OPERATOR (Provide if different from owner)

OPERATOR'S PARENT COMPANY (if applicable)

01 NAME none- site vacant		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER					

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

PREVIOUS OPERATORS' PARENT COMPANIES (if applicable)

01 NAME Majestic Weaving		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 2 Mill Street		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY Cornwall		06 STATE NY	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION 1963-1981		09 NAME OF OWNER DURING THIS PERIOD Majestic Weaving					

01 NAME Firth Carpet Company		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.) unknown		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION 1886-1962		09 NAME OF OWNER DURING THIS PERIOD Sir Algernon Firth					

01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NYSDEC Files  
Janet Dempsey, Town of Cornwall Historian



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
NY D0017013823

II. ON-SITE GENERATOR

01 NAME Majestic Weaving		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 2 Mill Street		04 SIC CODE	
05 CITY Cornwall	06 STATE NY	07 ZIP CODE	

III. OFF-SITE GENERATOR(S)

01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE		05 CITY	06 STATE	07 ZIP CODE	
01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE		05 CITY	06 STATE	07 ZIP CODE	

IV. TRANSPORTER(S)

01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE		05 CITY	06 STATE	07 ZIP CODE	
01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE		05 CITY	06 STATE	07 ZIP CODE	

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, company analysis, reports)

NYSDEC Files





POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 10 - PAST RESPONSE ACTIVITIES

I IDENTIFICATION

01 STATE NY 02 SITE NUMBER D0017013823

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED  
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED  
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED  
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ D. SPILLED MATERIAL REMOVED  
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☒ E. CONTAMINATED SOIL REMOVED

02 DATE 1990

03 AGENCY

04 DESCRIPTION 2 areas of contaminated soil were removed while one area remains onsite.

01 ☒ F. WASTE REPACKAGED  
04 DESCRIPTION

02 DATE 9/27/90

03 AGENCY

Onsite drums were repackaged for bulk removal of hazardous and non-hazardous wastes.

01 ☒ G. WASTE DISPOSED ELSEWHERE  
04 DESCRIPTION

02 DATE 9/27/90

03 AGENCY

Waste was disposed of by a contractor for the site owner.

01 ☐ H. ON SITE BURIAL  
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ I. IN SITU CHEMICAL TREATMENT  
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ J. IN SITU BIOLOGICAL TREATMENT  
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ K. IN SITU PHYSICAL TREATMENT  
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ L. ENCAPSULATION  
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ M. EMERGENCY WASTE TREATMENT  
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ N. CUTOFF WALLS  
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION  
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ P. CUTOFF TRENCHES/SUMP  
04 DESCRIPTION

02 DATE

03 AGENCY

01 ☐ Q. SUBSURFACE CUTOFF WALL  
04 DESCRIPTION

02 DATE

03 AGENCY



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
NY D0017013823

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ S. CAPPING/COVERING  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ T. BULK TANKAGE REPAIRED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ U. GROUT CURTAIN CONSTRUCTED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ V. BOTTOM SEALED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ W. GAS CONTROL  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ X. FIRE CONTROL  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ Y. LEACHATE TREATMENT  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ Z. AREA EVACUATED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ 1. ACCESS TO SITE RESTRICTED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ 2. POPULATION RELOCATED  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

01 ☐ 3. OTHER REMEDIAL ACTIVITIES  
04 DESCRIPTION

02 DATE \_\_\_\_\_

03 AGENCY \_\_\_\_\_

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

NYSDEC files



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT  
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NY	D0017013823

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☒ YES ☐ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

USEPA Region II Consent Agreement and Final Compliance Order:  
Docket No II RCRA-82-0208  
Majestic Weaving, Respondent.  
May 12, 1982

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, analytical reports)

NYSDEC files

## APPENDIX C

### *Interview Documentation Forms*



AN INTERNATIONAL PROFESSIONAL SERVICES ORGANIZATION

JOB NO. 35231.00.108 (5015-108) JOB NAME Majestic Weaving

**MEMO OF TELECON**

DATE 2/26/91 TELEPHONE (914) 778-2121  
PERSON CALLING Phyllis Rettke PERSON CALLED Douglas Zamelis  
REPRESENTING URS Consultants, Inc. REPRESENTING Jacobowitz & Gubits  
PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED: Attorneys for Moodna Creek Development -  
Site History - Majestic Weaving

**TEXT OF TELECON**

Site was originally Firthcliff Carpets. Operation started early in the century (20's/30's?). Somewhere around the mid-century, Majestic Weaving took over and then went bankrupt in 1980.

Mr. Zamelis is the attorney for Moodna Creek Development, but they are handling the remediation for all site owners.

Majestic printed and dyed fabrics, did not weaving onsite.

Lagoons were constructed in 1971-72 and operated until 1980. They contained sanitary waste and industrial washdown.

When Majestic received RCRA Part A Form, plant manager Abraham Scheider filled out form incorrectly and indicated all raw products were stored onsite in the open in the lagoons. This error has been rectified.

Two sludge remediation firms have been contacted for disposal of sludge so the liner can be checked. Supernatant will be discharged to Town of New Winsor sewage facility after appropriate testing of liquid.

cc: File: 35231.00 (5015-108)

**URS**

AN INTERNATIONAL PROFESSIONAL SERVICES ORGANIZATION

JOB NO. 35231.00.108JOB NAME Majestic Weaving**MEMO OF TELECON**DATE 2/26/91TELEPHONE (914) ~~778-2121~~ 534-5285PERSON CALLING Phyllis RettkePERSON CALLED Janet DempseyREPRESENTING URS Consultants, Inc.REPRESENTING Historian, Town of CornwallPURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED: Site history.**TEXT OF TELECON**

Townsend Cotton Mills - approximately 1820's - 30's. No mention of closing. Broadhead Woolen Mill 1870's - 1880's. The Broadhead family owned a great deal of property in the area. About that time name of area changed from Montana to Cornwall.

Early 20th Century Firth Carpet Mills owned by Sir Algernon Firth - Imported workers from England. Eventually became Mohawsko and moved south in 1950's.

Assume Majestic took over after that time. Will research the dates for the Majestic site in the Cornwall Local (newspaper) in the library. I will call her back on Friday, March 1.

cc: File: 35231.00.108 (5015-108)

JOB NO. 35231.00.108

JOB NAME \_\_\_\_\_

**MEMO OF TELECON**

DATE 3/1/91 TELEPHONE 914-534-5285  
 PERSON CALLING Phyllis Rottke PERSON CALLED Janet Dempsey  
 REPRESENTING URS REPRESENTING Autorian, Town of Cornwall  
 PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED: \_\_\_\_\_

**SITE HISTORY**

**TEXT OF TELECON**

Townsend Cotton Mill	1820's to 1850
Montana Woolen Mill	1859 → ?
Firth Carpet Co.	1886 - 1962
Majestic Weaving	1963 → 1981 (Bankrupt)

Employed 700 people at their peak.

CC: \_\_\_\_\_

JOB NO. 35231.00

JOB NAME Majestic Weaving

## MEMO OF TELECON

DATE 2/20/91

TELEPHONE (914) 255-5453

PERSON CALLING Phyllis Rettke

PERSON CALLED Rob Smith

REPRESENTING URS Consultants

REPRESENTING NYSDEC Region 3

PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED:

### TEXT OF TELECON

The site was first listed on RCRA as an active facility, after it was shut down it was transferred to Haz. Waste. There might be some additional info in the Region 3 RCRA file. Lagoons main focus of the site they have potential problems which may need to be rectified. Emergency cleanup with property owners included removal of approximately 70 drums. Drums sampled and upon analysis some hazardous materials were identified. Most drums were located in an enclosed building, have they always been there? Additional storage areas - drums previously stored on soil 3 areas of stained soil were tested. 2 were removed as industrial waste, one was considered hazardous waste. This area of soil remains onsite. RCRA was involved with the cleanup.

Site has 4 different owners:

1. Mr. Landaw owns a building
2. Mill Town Park owns another building
3. Moodna Creek Development - lagoons and surrounding property
4. Mill Pond Condos - owns the land the buildings are on.

The attorney for the lagoon owners feels that the owners will take care of the site. The intentions are that they will clean up the site.

The owners of one of the buildings which contained the drums wants his portion of the site to be delisted. He says that the site was listed because of the lagoons. DEC realizes this but has not cleared the rest of the site.

The new fire inspector for the Town of Cornwall might have some additional info on the site. William Busky of NYSDEC used to handle the site when it was a RCRA site.

cc: P. Rettke

File: 35231.00 (5015 - 108)





AN INTERNATIONAL PROFESSIONAL SERVICES ORGANIZATION

JOB NO. 33231.00.108

JOB NAME Majestic Weaving

MEMO OF TELECON

DATE 3/4/91

TELEPHONE 914-294-7961

PERSON CALLING Phyllis Rettke

PERSON CALLED Jay Babula

REPRESENTING URS

REPRESENTING Orange County Health Dept

PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED: \_\_\_\_\_

TEXT OF TELECON

Testing of the Dump at Rte 32 & Holleran Rd  
in the Tn of Cornwall.

Wool + Soil dumped by Firth Carpet Co were  
tested by Pathcon in Tucker Georgia. 51 samples  
taken & tested for Anthrax - results negative.

He heard stories that dyes were being  
dumped onsite but has no evidence of that.

CC: \_\_\_\_\_



AN INTERNATIONAL PROFESSIONAL SERVICES ORGANIZATION

JOB NO. 35231.00.108 JOB NAME Majestic Weaving  
**MEMO OF TELECON**

DATE 3/4/91 TELEPHONE 914-534-9100  
PERSON CALLING Phyllis Rettke PERSON CALLED Elaine Schaar  
REPRESENTING URS REPRESENTING Tn of Cornwall Clark  
PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED: \_\_\_\_\_

**TEXT OF TELECON**

People living near the old Majestic Weaving Plant are in a special water district. They get their water from the Town of New Windsor.

CC: \_\_\_\_\_

JOB NO. 35231.00.108

JOB NAME Majestic Weaving

MEMO OF TELECON

DATE March 12, 1991

TELEPHONE 914-534-7290

PERSON CALLING Phyllis Rella

PERSON CALLED Mary Hardner

REPRESENTING URS

REPRESENTING Assessor, Town of Cornwall

PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED: \_\_\_\_\_

TEXT OF TELECON

Furthcliff gets its water from the Village of Cornwall. Water is supplied with from reservoir up in the mountains.

The Catskill aqueduct crosses the town of Cornwall in an underground pipeline. Does not surface at Woodna Creek.

12/19/91 Tax map number for Majestic Weaving 43-1-1.1

site is owned by an industrial condo - which means the land is a common interest.

CC: \_\_\_\_\_



AN INTERNATIONAL PROFESSIONAL SERVICES ORGANIZATION

JOB NO. 35231.00.108

JOB NAME Majestic Weaving

**MEMO OF TELECON**

DATE 3/12/91

TELEPHONE 914-561-8510

PERSON CALLING Phyllis Feltke

PERSON CALLED Steve Didio

REPRESENTING URS

REPRESENTING New Windsor Water Dept

PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED: \_\_\_\_\_

**TEXT OF TELECON**

Water for the Town of New Windsor comes from the Catskill Aqueduct which originates at the Ashokan Reservoir.

Firthcliffe Heights is on the New Windsor Town water supply.

CC: \_\_\_\_\_



AN INTERNATIONAL PROFESSIONAL SERVICES ORGANIZATION

JOB NO. 35231.00.108

JOB NAME Majestic Weaving

MEMO OF TELECON

DATE 3/12/91

TELEPHONE 914-294-5151 ext 1770

PERSON CALLING Phyllis Rette

PERSON CALLED Carol

REPRESENTING URS

REPRESENTING Orange County Planning Dept

PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED:

TEXT OF TELECON

	<u>Tn of Cornwall</u>	<u>Tn of New Windsor</u>
<u>1990</u>		
<u>Consur</u>	<u>11,270</u>	<u>22,937</u>

<u>Size</u>	<u>26.20 mi<sup>2</sup></u>	<u>35.77 mi<sup>2</sup></u>
-------------	-----------------------------	-----------------------------

CC: \_\_\_\_\_

JOB NO. 35231.00.108

JOB NAME Majestic Weaving

MEMO OF TELECON

DATE 3/26/91

TELEPHONE 914-255-5453

PERSON CALLING Phyllis Rettke

PERSON CALLED Dave Reed

REPRESENTING URS

REPRESENTING NYSDEC Region 3

PURPOSE OF TELECON AND/OR EQUIPMENT INVOLVED: \_\_\_\_\_

TEXT OF TELECON

Stream Class - Moodna Creek = "C"  
Hudson River = "B"

CC: \_\_\_\_\_

# APPENDIX D

## *Hazard Ranking System*

FACILITY NAME: Majestic Weaving

LOCATION: Cornwall, New York

EPA REGION: II

PERSON(S) IN CHARGE OF THE FACILITY: Moodna Creek Development/ Douglas Zamelis, Attorney  
158 Orange Avenue  
Walden, New York 12586

NAME OF REVIEWER: URS Consultants, Inc. DATE: 3/18/91

GENERAL DESCRIPTION OF THE FACILITY:

(For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action; etc.)

The Majestic Weaving Site is the former location of a fabric printing and dyeing facility. Two lagoons, originally constructed for containing sewage and industrial washdown, now contain a layer of sludge and supernatant. The vinyl lagoon liners are torn and no information is available about the clay liner.

Drums of various chemicals used in the fabric printing and dyeing process were formerly stored onsite.

Areas of stained soil, one of which has been characterized as hazardous waste and remains onsite, are believed to be the result of spills.

SCORES: Sm= 18.84 (Sgw = 31.32 Ssw = 8.48 Sa = 3.08)

Sfe = 0.00

Sdc = 37.5

HRS COVER SHEET



GROUND WATER ROUTE WORK SHEET						
RATING FACTOR	ASSIGNED VALUE	MULTI- PLIER	SCORE	MAX. SCORE	REF. (SECTION)	
1 OBSERVED RELEASE	0 45 <input type="text" value="45"/>	1	45	45	3.1	
IF OBSERVED RELEASE IS GIVEN A SCORE OF 45, PROCEED TO LINE 4 IF OBSERVED RELEASE IS GIVEN A SCORE OF 0, PROCEED TO LINE 2						
2 ROUTE CHARACTERISTICS					3.2	
DEPTH TO AQUIFER OF CONCERN	0 1 2 3 <input type="text" value="0"/>	2	0	6		
NET PRECIPITATION	0 1 2 3 <input type="text" value="0"/>	1		3		
PERMEABILITY OF THE UNSATURATED ZONE	0 1 2 3 <input type="text" value="0"/>	1		3		
PHYSICAL STATE	0 1 2 3 <input type="text" value="0"/>	1		3		
TOTAL ROUTE CHARACTERISTICS SCORE			0	15		
3 CONTAINMENT	0 1 2 3 <input type="text" value="0"/>	1		3	3.3	
4 WASTE CHARACTERISTICS						
TOXICITY/PERSISTANCE	0 3 6 9 <input type="text" value="18"/>	1	18	18	3.4	
HAZARDOUS WASTE QUANTITY	12 15 18 0 1 2 3 <input type="text" value="1"/> 4 5 6 7 8	1	1	8		
TOTAL WASTE CHARACTERISTICS SCORE			19	26		
5 TARGETS						
GROUND WATER USE	0 1 2 3 <input type="text" value="3"/>	3	9	9		
DISTANCE TO NEAREST WELL /POPULATION SERVED	0 4 6 8 10 12 16 18 <input type="text" value="12"/> 24 30 32 35 40	1	12	40		
TOTAL TARGETS SCORE			21	49		
6 IF LINE 1 IS 45, MULTIPLY 1 X 4 X 5 IF LINE 1 IS 0, MULTIPLY 2 X 3 X 4 X 5			17955 0	57,330		
7 DIVIDE LINE 6 BY 57,330 AND MULTIPLY BY 100			Sgw = 31.32			

GROUND WATER ROUTE WORK SHEET

SURFACE WATER ROUTE WORK SHEET						
RATING FACTOR	ASSIGNED VALUE	MULTI-PLIER	SCORE	MAX. SCORE	REF. (SECTION)	
1 OBSERVED RELEASE	0 45 <input type="text" value="0"/>	1	0	45	4.1	
IF OBSERVED RELEASE IS GIVEN A SCORE OF 45, PROCEED TO LINE 4 IF OBSERVED RELEASE IS GIVEN A SCORE OF 0, PROCEED TO LINE 2						
2 ROUTE CHARACTERISTICS					4.2	
FACILITIES SLOPE AND INTERVENING TERRAIN	0 1 2 3 <input type="text" value="2"/>	1	2	3		
1-yr 24 HOUR RAINFALL	0 1 2 3 <input type="text" value="3"/>	1	3	3		
DISTANCE TO NEAREST SURFACE WATER	0 1 2 3 <input type="text" value="3"/>	2	6	6		
PHYSICAL STATE	0 1 2 3 <input type="text" value="3"/>	1	3	3		
TOTAL ROUTE CHARACTERISTICS SCORE			14	15		
3 CONTAINMENT	0 1 2 3 <input type="text" value="3"/>	1	3	3	4.3	
4 WASTE CHARACTERISTICS					4.4	
TOXICITY/PERSISTANCE	0 3 6 9 12 15 <input type="text" value="12"/>	1	12	18		
HAZARDOUS WASTE QUANTITY	1 2 3 4 5 6 7 8 <input type="text" value="1"/>	1	1	8		
TOTAL WASTE CHARACTERISTICS SCORE			13	26		
5 TARGETS					4.5	
SURFACE WATER USE	0 1 2 3 <input type="text" value="2"/>	3	6	9		
DISTANCE TO A SENSITIVE ENVIRONMENT	0 1 2 3 <input type="text" value="2"/>	2	4	6		
POPULATION SERVED/DIST	0 4 6 8 10 0					
TO WATER INTAKE	12 16 18 20					
DOWNSTREAM	24 30 32 35 40 <input type="text" value=""/>	1	0			
TOTAL TARGETS SCORE			10	55		
6 IF LINE 1 IS 45, MULTIPLY 1 X 4 X 5 IF LINE 1 IS 0, MULTIPLY 0			0	5460 64,350		
7 DIVIDE LINE 6 BY 64,350 AND MULTIPLY BY 100						
S <sub>sw</sub> =			8.48			

SURFACE WATER ROUTE WORK SHEET

AIR ROUTE WORK SHEET						
RATING FACTOR	ASSIGNED VALUE	MULTI-PLIER	SCORE	MAX. SCORE	REF. (SECTION)	
1 OBSERVED RELEAS	0 45 <span style="border: 1px solid black; padding: 0 2px;">45</span>	1	45	45	5.1	
DATE AND LOCATIO 11/15/90 - Cornwall, New York						
SAMPLING PROTOCO HN <sub>μ</sub> (PID)						
IF LINE 1 IS 0, THE S <sub>a</sub> =0. ENTER ON LINE 5 IF LINE 1 IS 45, THEN PROCEED TO; LINE 2.						
2 WASTE CHARACTERISTICS					5.2	
REACTIVITY AND INCOMPATIBILITY      0 1 2 3 <span style="border: 1px solid black; padding: 0 2px;">0</span> 1      0      3 TOXICITY                0 1 2 3 <span style="border: 1px solid black; padding: 0 2px;">0</span> 3      0      9 HAZARDOUS WASTE    3 4 5 6 7 8 <span style="border: 1px solid black; padding: 0 2px;">1</span> 1      1      8 QUANTITY						
TOTAL WASTE CHARACTERISTICS SCORE			1	20		
3 TARGETS					5.3	
POPULATION WITHIN      0 9 12 4 MILE RADIUS            21 24 27 <span style="border: 1px solid black; padding: 0 2px;">18</span> 1      18      30 DISTANCE TO SENSITIVE ENVIRONMENT            0 1 2 3 <span style="border: 1px solid black; padding: 0 2px;">2</span> 2      4      6 LAND USE                0 1 2 3 <span style="border: 1px solid black; padding: 0 2px;">2</span> 1      2      3						
TOTAL TARGETS SCORE			24	39		
4 MULTIPLY 1 X 2 X 3			1080	35,100		
5 DIVIDE LINE 4 BY 35,100 AND MULTIPLY BY 100 <div style="display: flex; justify-content: space-between; width: 100%;"> <span>S<sub>a</sub>=</span> <span>3.08</span> </div>						

	S	S <sup>2</sup>
GROUNDWATER ROUTE SCORE (S <sub>gw</sub> )	31.32	980.86
SURFACE WATER ROUTE SCORE (S <sub>sw</sub> )	8.48	71.99
AIR ROUTE SCORE (S <sub>a</sub> )	3.08	9.47
S <sup>2</sup> <sub>gw</sub> + S <sup>2</sup> <sub>sw</sub> + S <sup>2</sup> <sub>a</sub>		1062.32
square root of(S <sup>2</sup> <sub>gw</sub> + S <sup>2</sup> <sub>sw</sub> + S <sup>2</sup> <sub>a</sub> )		32.59
square root of (S <sup>2</sup> <sub>gw</sub> + S <sup>2</sup> <sub>sw</sub> + S <sup>2</sup> <sub>a</sub> )/1.73 = S <sub>m</sub>		18.84

**WORKSHEET FOR COMPUTING S<sub>m</sub>**

FIRE AND EXPLOSION WORK SHEET									
RATING FACTOR	ASSIGNED VALUE			MULTI-PLIER	SCORE	MAX. SCORE	REF. (SECTION)		
1 CONTAINMENT	1	3	0	1	0	3	7.1		
<b>2 WASTE CHARACTERISTICS</b>									
DIRECT EVIDENCE	0	3		1		3	7.2		
IGNITABILITY	0	1	2	3		3			
REACTIVITY	0	1	2	3		3			
INCOMPATIBILITY	0	1	2	3		3			
HAZARDOUS WASTE						3			
QUANTITY	1	2	3	4	5	6	7	8	
					1	8			
TOTAL WASTE CHARACTERISTICS SCORE					0	20			
<b>3 TARGETS</b>									
DISTANCE TO NEAREST	0	1	2	3	4	5		1	
POPULATION									
DISTANCE TO NEAREST	0	1	2	3				1	
BUILDING									
DISTANCE TO A SENSITIVE									
ENVIRONMENT	0	1	2	3				1	
LAND USE	0	1	2	3				1	
POPULATION WITHIN	0	1	2	3	4	5		1	
2 MILE RADIUS									
BUILDINGS WITHIN	0	1	2	3	4	5		1	
2 MILE RADIUS									
TOTAL TARGETS SCORE					0	24			
4 MULTIPLY 1 X 2 3					0	1,440			
5 DIVIDE LINE 4 BY 1,440 AND MULTIPLY BY 100									
Sfe =					0.00				

FIRE AND EXPLOSION WORK SHEET

DIRECT CONTACT WORK SHEET						
RATING FACTOR	ASSIGNED VALUE	MULTI-PLIER	SCORE	MAX. SCORE	REF. (SECTION)	
1 OBSERVED RELEASE	0 45 <input type="text" value="0"/>	1	0	45	8.1	
IF LINE 1 IS 45, PROCEED TO LINE 4 IF LINE 1 IS 0, PROCEED TO LINE 2						
2 ACCESSIBILITY	0 1 2 3 <input type="text" value="3"/>	1	3	3	8.2	
3 CONTAINMENT	0 15 <input type="text" value="15"/>	1	15	15	8.3	
4 WASTE CHARACTERISTICS TOXICITY	0 1 2 3 <input type="text" value="3"/>	5	15	15	8.4	
5 TARGETS					8.5	
POPULATION WITHIN 1 MILE RADIUS	0 1 2 3 4 5 <input type="text" value="3"/>	4	12	20		
DISTANCE TO A CRITICAL HABITAT	0 1 2 3 <input type="text" value="0"/>	4	0	12		
TOTAL TARGETS SCORE			12	32		
6 IF LINE 1 IS 45, MULTIPLY 1 X 4 X 5 IF LINE 1 IS 0, MULTIPLY 2 X 3 X 4 X 5			0 8100	21,600		
7 DIVIDE LINE 6 BY 21,600 AND MULTIPLY BY 100						
Sdc =				37.50		

DIRECT CONTACT WORK SHEET

GROUNDWATER ROUTE

1 OBSERVED RELEASE

o CONTAMINANTS DETECTED (5 MAXIMUM):

Arsenic, Chromium, Mercury, Phenol

o RATIONALE FOR ATTRIBUTING THE CONTAMINANTS TO THE FACILITY:

Analytical results from 1984 Dames and Moore Groundwater Monitoring Report (Ref. B).

SCORE 45

\*\*\*

2. ROUTE CHARACTERISTICS

DEPTH TO AQUIFER OF CONCERN

o NAME/DESCRIPTION OF AQUIFER(S) OF CONCERN:

NA

o DEPTH(S) FROM THE GROUND SURFACE TO THE HIGHEST SEASONAL LEVEL OF THE SATURATED ZONE [WATER TABLE(S)] OF THE AQUIFER OF CONCERN:

NA

o DEPTH FROM THE GROUND SURFACE TO THE LOWEST POINT OF WASTE DISPOSAL/STORAGE:

NA

SCORE 0

\*\*\*

NET PRECIPITATION

- o MEAN ANNUAL OR SEASONAL PRECIPITATION (LIST MONTHS FOR SEASONAL):

NA

- o MEAN ANNUAL OR SEASONAL EVAPORATION (LIST MONTHS FOR SEASONAL):

NA

- o NET PRECIPITATION (SUBTRACT THE ABOVE FIGURES):

NA

SCORE 0

PERMEABILITY OF UNSATURATED ZONE

- o SOIL TYPE IN UNSATURATED ZONE:

NA

- o PERMEABILITY ASSOCIATED WITH SOIL TYPE:

NA

SCORE 0

PHYSICAL STATE

- o PHYSICAL STATE OF SUBSTANCES AT TIME OF DISPOSAL (OR AT PRESENT TIME FOR GENERATED GASES):

NA

SCORE 0

\*\*\*



### 3. CONTAINMENT

#### CONTAINMENT

- o METHOD(S) OF WASTE OF LEACHATE CONTAINMENT EVALUATED:

NA

- o METHOD WITH THE HIGHEST SCORE:

MA

SCORE 0

\*\*\*

### 4. WASTE CHARACTERISTICS

#### TOXICITY AND PERSISTENCE

- o COMPOUND(S) EVALUATED:

Compound Evaluated	Toxicity	Persistence	Score
Arsenic	3	3	18
Chromium	3	3	18
Mercury	3	3	18
Phenols	3	1	12

- o COMPOUND WITH THE HIGHEST SCORE:

Arsenic, chromium, Mercury

SCORE 18

#### HAZARDOUS WASTE QUANTITY

- o TOTAL QUANTITY OF HAZARDOUS SUBSTANCES AT THE FACILITY, EXCLUDING THOSE WITH A CONTAINMENT SCORE OF 0(GIVE A REASONABLE ESTIMATE EVEN IF QUANTITY IS ABOVE MAXIMUM):

Unknown

SCORE 1

- o BASIS OF ESTIMATING AND/OR COMPUTING WASTE QUANTITY:

A minimum quantity of waste is scored a 1.

\*\*\*

5. TARGETS

GROUNDWATER USE

- o USE(S) OF AQUIFER(S) OF CONCERN WITHIN A 3-MILE RADIUS OF THE FACILITY:

Drinking

SCORE 3

DISTANCE OF NEAREST WELL

- o LOCATION OF NEAREST WELL DRAWING FROM AQUIFER OF CONCERN OR OCCUPIED BUILDING NOT SERVED BY A PUBLIC WATER SUPPLY:

Unknown - the 1980 census of population identifies approximately 3,000 people within a 3 mile radius as using private wells for potable water.

- o DISTANCE TO ABOVE WELL OR BUILDING:

The US census does not identify the location of these wells.

POPULATION SERVED BY GROUNDWATER WELL WITHIN A 3-MILE RADIUS

- o IDENTIFIED WATER-SUPPLY WELL(S) DRAWING FROM AQUIFER(S) OF CONCERN WITHIN A 3-MILE RADIUS AND POPULATIONS SERVED BY EACH:

Approximately 421

- o COMPUTATION OF LAND AREA IRRIGATED BY SUPPLY WELL(S) DRAWING FROM AQUIFER(S) OF CONCERN WITHIN A 3-MILE RADIUS, AND CONVERSION TO POPULATION(1.5 PEOPLE PER ACRE):

None reported

- o TOTAL POPULATION SERVED BY GROUNDWATER WITHIN A 3-MILE RADIUS:

Approximately 1,600

SCORE 12

SURFACE WATER ROUTE

1. OBSERVED RELEASE

- o CONTAMINANTS DETECTED IN SURFACE WATER AT THE FACILITY OR DOWNHILL FROM IT (5 MAXIMUM):

No surface water sampling conducted at this site.

- o RATIONALE FOR ATTRIBUTING THE CONTAMINANTS TO THE FACILITY:

NA

SCORE 0

\*\*\*

2. ROUTE CHARACTERISTICS

FACILITY SLOPE AND INTERVENING TERRAIN

- o AVERAGE SLOPE OF THE FACILITY IN PERCENT:

8%

- o NAME/DESCRIPTION OF THE NEAREST DOWNSLOPE SURFACE WATER:

Moodna Creek

- o AVERAGE SLOPE OF TERRAIN BETWEEN FACILITY AND ABOVE-CITED SURFACE WATER IN PERCENT:

4%

- o IS THE FACILITY LOCATED EITHER TOTALLY OR PARTIALLY IN SURFACE WATER?:

No

SCORE 2

- o IS THE FACILITY COMPLETELY SURROUNDED BY AREAS OF HIGHER ELEVATION?

No

1-YEAR 24 HOUR RAINFALL IN INCHES

4.76 inches (Ref. P)

SCORE 3

DISTANCE TO NEAREST DOWNSLOPE SURFACE WATER

125 feet

SCORE 3

PHYSICAL STATE OF WASTE

Liquid

SCORE 3

\*\*\*

3. CONTAINMENT

CONTAINMENT

- o METHOD(S) OF WASTE OR LEACHATE CONTAINMENT EVALUATED:

Liquid wastes put into lined lagoons, no containment for wastes at factory buildings

- o METHOD WITH THE HIGHEST SCORE:

No containment

SCORE 3

\*\*\*

#### 4. WASTE CHARACTERISTICS

##### TOXICITY AND PERSISTENCE

###### o COMPOUND(S) EVALUATED

Compounds Evaluated	Toxicity	Persistence	Score
Formaldehyde	3	1	12
Thiourea	3	1	12
Toluene	3	1	12

###### o COMPOUND WITH THE HIGHEST SCORE:

All compounds evaluated score a 12 (Ref. 3).

SCORE 12

##### HAZARDOUS WASTE QUANTITY

###### o TOTAL QUANTITY OF HAZARDOUS SUBSTANCES AT THE FACILITY EXCLUDING THOSE WITH A CONTAINMENT SCORE OF 0 (GIVE A REASONABLE ESTIMATE EVEN IF QUANTITY IS ABOVE MAXIMUM):

Unknown

SCORE 1

###### o BASIS OF ESTIMATING AND/OR COMPUTING WASTE QUANTITY:

A minimum quantity of waste is scored a 1

\*\*\*

#### 5. TARGETS

##### SURFACE WATER USE

###### o USE(S) OF SURFACE WATER WITHIN 3 MILES DOWNSTREAM OF THE HAZARDOUS SUBSTANCE:

Recreation, fishing

Score 2

- o IS THERE TIDAL INFLUENCE?

No

DISTANCE TO A SENSITIVE ENVIRONMENT

- o DISTANCE TO A 5-ACRE(MINIMUM) COASTAL WETLAND, IF 2 MILES OR LESS:

None reported

- o DISTANCE TO A 5 ACRE (MINIMUM) FRESH-WATER WETLAND, IF 1 MILE OR LESS:

1,000 feet

- o DISTANCE TO CRITICAL HABITAT OF AN ENDANGERED SPECIES OR NATIONAL WILDLIFE REFUGE, IF 1 MILE OR LESS:

None reported

SCORE 2

POPULATION SERVED BY SURFACE WATER

- o LOCATION(S) OF WATER-SUPPLY INTAKE(S) WITHIN 3 MILES(FREE-FLOWING BODIES) OR 1 MILE (STATIC WATER BODIES) DOWNSTREAM OF THE HAZARDOUS SUBSTANCE AND POPULATION SERVED BY EACH INTAKE:

None reported

- o COMPUTATION OF LAND AREA IRRIGATED BY ABOVE-CITED INTAKE(S) AND CONVERSION TO POPULATION (1.5 PEOPLE PER ACRE):

NA

- o TOTAL POPULATION SERVED

NA

- o NAME/DESCRIPTION OF NEAREST ABOVE-CITED WATER BODIES:

NA

- o DISTANCE TO ABOVE-CITED INTAKES, MEASURED IN STREAM MILES:

NA

SCORE 0

\*\*\*

AIR ROUTE

1. OBSERVED RELEASE

o CONTAMINANTS DETECTED:

Unknown - the HNu detects organic vapors and gases.

o DATE AND LOCATION OF DETECTION OF CONTAMINANTS:

11/15/90 - Cornwall, New York

o METHODS USED TO DETECT THE CONTAMINANTS:

HNu-PID

o RATIONALE FOR ATTRIBUTING THE CONTAMINANTS TO THE SITE:

HNu readings of 2-4 ppm over area of stained soil

SCORE 45

\*\*\*

2. WASTE CHARACTERISTICS

REACTIVITY AND INCOMPATIBILITY

o MOST REACTIVE COMPOUND

Unknown

o MOST INCOMPATIBLE PAIR OF COMPOUNDS

Unknown

SCORE 0



TOXICITY

- o MOST TOXIC COMPOUND

Benzene

SCORE 3

HAZARDOUS WASTE QUANTITY

- o TOTAL QUANTITY OF HAZARDOUS WASTE:

Unknown

SCORE 1

- o BASIS OF ESTIMATING AND/OR COMPUTING WASTE QUANTITY:

A minimum quantity of waste is scored a 1

\*\*\*

3 TARGETS

POPULATION WITHIN 4-MILE RADIUS

- o UNDERLINE RADIUS USED, GIVE POPULATION AND INDICATE HOW DETERMINED:

0 TO 4 MI      0 TO 1 MI      0 TO 0.5 MI      0 TO 0.25 MI

1515 people

SCORE 18

DISTANCE TO A SENSITIVE ENVIRONMENT

- o DISTANCE TO 5 ACRE (MINIMUM) COASTAL WETLAND, IF 2 MILES OR LESS:

NA

- o DISTANCE TO 5 ACRE (MINIMUM) FRESH WATER WETLAND, IF 1 MILE OR LESS:  
2,000'

- o DISTANCE TO CRITICAL HABITAT OF AN ENDANGERED SPECIES, IF 1 MILE OR LESS:  
none reported

SCORE 2

LAND USE

- o DISTANCE TO COMMERCIAL/INDUSTRIAL AREA , IF 1 MILE OR LESS:  
No air release
- o DISTANCE TO NATIONAL OR STATE PARK, FOREST, OR WILDLIFE RESERVE, IF 2 MILES OR LESS:  
>1 mile
- o DISTANCE TO RESIDENTIAL AREA, IF 2 MILES OR LESS:  
1,000'
- o DISTANCE TO AGRICULTURAL LAND IN PRODUCTION WITHIN THE LAST 5 YEARS, IF 1 MILE OR LESS:  
> 1 mile
- o DISTANCE TO PRIME AGRICULTURAL LAND IN PRODUCTION WITHIN PAST YEARS, IF 2 MILES OR LESS:  
> 2 miles
- o IS A HISTORICAL OR LANDMARK SITE( NATIONAL REGISTER OR HISTORIC PLACES AND NATIONAL NATURAL LANDMARKS) WITHIN VIEW OF THE SITE?  
> 1 mile

SCORE 2

\*\*\*

FIRE AND EXPLOSION

1. CONTAINMENT

o HAZARDOUS SUBSTANCES PRESENT:

No threat of fire or explosion

o TYPE OF CONTAINMENT, IF APPLICABLE:

No threat of fire or explosion

SCORE 0

\*\*\*

2. WASTE CHARACTERISTICS

DIRECT EVIDENCE

o TYPE OF INSTRUMENT AND MEASUREMENTS:

No threat of fire or explosion

SCORE 0

IGNITABILITY

o COMPOUND USED

No threat of fire or explosion

SCORE 0

REACTIVITY

o MOST REACTIVE COMPOUND:

No threat of fire or explosion

SCORE 0

INCOMPATIBILITY

o MOST INCOMPATIBLE PAIR OF COMPOUNDS:

No threat of fire or explosion

SCORE 0

HAZARDOUS WASTE QUANTITY

- o TOTAL QUANTITY OF HAZARDOUS SUBSTANCES AT THE FACILITY:

No threat of fire or explosion

SCORE 0

- o BASIS OF ESTIMATING AND/OR COMPUTING WASTE QUANTITY:

No threat of fire or explosion

3 TARGETS

DISTANCE TO NEAREST POPULATION

No threat of fire or explosion

SCORE 0

DISTANCE TO NEAREST BUILDING

No threat of fire or explosion

SCORE 0

DISTANCE TO SENSITIVE ENVIRONMENT

- o DISTANCE TO WETLANDS

No threat of fire or explosion

- o DISTANCE TO CRITICAL HABITAT:

No threat of fire or explosion

SCORE 0

LAND USE

- o DISTANCE TO COMMERCIAL/INDUSTRIAL AREA

No threat of fire or explosion

- o DISTANCE TO NATIONAL OR STATE PARK, FOREST OF WILDLIFE RESERVE, IF 2 MILES OR LESS:

No threat of fire or explosion

- o DISTANCE TO RESIDENTIAL AREA, IF 2 MILES OR LESS:

No threat of fire or explosion

- o DISTANCE TO AGRICULTURAL LAND IN PRODUCTION WITHIN PAST 5 YEARS, IF 1 MILE OR LESS:

No threat of fire or explosion

- o DISTANCE TO PRIME AGRICULTURAL LAND IN PRODUCTION WITHIN PAST 5 YEARS, IF 2 MILES OR LESS:

No threat of fire or explosion

- o IF A HISTORIC OR LANDMARK SITE ( NATIONAL REGISTER OF HISTORIC PLACES AND NATIONAL NATURAL LANDMARKS) WITHIN VIEW OF THE SITE?

No threat of fire or explosion

SCORE 0

POPULATION WITHIN 2 MILE RADIUS

No threat of fire or explosion

SCORE 0

BUILDINGS WITHIN A 2 MILE RADIUS

No threat of fire or explosion

SCORE 0

\*\*\*

DIRECT CONTACT

1. OBSERVED INCIDENT

- o DATE, LOCATION AND PERTINENT DETAILS OF INCIDENT:

None reported

SCORE 0

\*\*\*

2. ACCESSIBILITY

- o DESCRIBE TYPE OF BARRIER(S):

Site is not completely surrounded by fences.

SCORE 3

\*\*\*

3. CONTAINMENT

- o TYPE OF CONTAINMENT, IF APPLICABLE:

Stained soil is on surface

SCORE 15

\*\*\*

4. WASTE CHARACTERISTICS

TOXICITY

COMPOUND EVALUATED	TOXICITY
Toluene	2
Ethylbenzene	2
Tetrachloroethane	3
Trichloroethane	3
1,1,1-Trichloroethene	3

- o COMPOUND WITH HIGHEST SCORE:

Trichloroethane, 1,1,1-Trichloroethene

SCORE 3

\*\*\*

5 TARGETS

POPULATION WITHIN 1 MILE RADIUS

1515 people

SCORE 3

DISTANCE TO CRITICAL HABITAT (OF ENDANGERED SPECIES)

None reported

SCORE 0

\*\*\*